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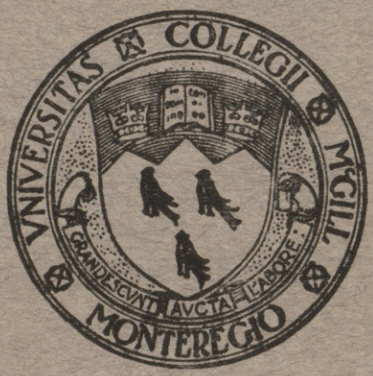
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NINETY-NINTH SESSION

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1930

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TABLE OF CONTENTS

	Page
Administrative Officers	5
Admission to Medicine	28
Anatomy, Course in	44
Bacteriology, Course in	51
Biochemistry, Course in	48
Board and Lodging	34
Buildings	73
Calendar	6
Cost of Course	34
Course for the Degree of M.D., C.M.	35
Courses of Lectures	44
Demonstrators	13
Dermatology, Course in	62
Diploma of Public Health	71
Dominion Registration	42
Embryology	45
Emeritus Professors	7
Entrance Requirements	28
Examinations	35
Expenses	34
Faculty, Members of	7
Fees	31
Fellowships	39
Grading	36
Graduate and Advanced Courses	71
Gynæcology, Course in	67
Histology	45
Historical Summary	19
History of Medicine, Course in	62
Hospitals	74
Hygiene, Course in	52, 71
Lecturers	11
Library	77
Medals	38

46084

CONTENTS—Continued

	Page
Medical Societies	79
Medicine, Course in	55
Members of Faculty since its origin	22
Microscopes, Purchase of	33
Neurology	60
Obstetrics, Course in	67
Officers of Faculty since its origin	22
Officers of Instruction	7
Ophthalmology, Course in	68
Orthopædic Surgery	66
Osler Library	78
Oto-Laryngology, Course in	69
Pathological Chemistry, Course in	48
Pathology	49
Pediatrics	58
Pharmacology, Course in	54
Physical Examination	30
Physiology, Course in	46
Preventive Medicine	52
Prizes	38
Professors	7
Promotion	36
Psychiatry	61
Psychology, Course in	47
Public Health, Course in	52
Reciprocity with Great Britain	43
Registration	29
Requirements for Degree of M.D., C.M.	41
Requirements for License	42
Surgery, Course in	62
Urology	66

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CALENDAR OF THE FACULTY OF MEDICINE FOR THE SESSION 1930-31

1930

Monday,	Sept.	8th	Autumn Examinations begin.
Wednesday,	"	10th	Register opens for students in Medicine.
Wednesday,	"	17th	Autumn Term begins.
Monday,	Oct.	6th	Founder's Day. Convocation for conferring Degrees. Opening address for the session. Register closes for the session.
Friday,	"	10th	Sports Day. No lectures.
Monday,	Nov.	10th	Thanksgiving Day. No lectures.
Tuesday,	"	25th	Autumn Term ends.
Wednesday,	"	26th	Winter Term begins.
Friday,	Dec.	19th	Last day of lectures before Christmas.

1931

Monday,	Jan.	5th	Lectures resumed.
Tuesday,	Feb.	17th	Winter Term ends.
Wednesday,	"	18th	Ash Wednesday. No lectures.
Thursday,	"	19th	Examinations begin for 1st and 2nd Years. Spring Term begins for 3rd, 4th and 5th Years.
Wednesday,	"	25th	Spring Term begins for 1st and 2nd Years.
Friday,	Apr.	3rd	Good Friday. No lectures.
Saturday,	"	4th	No lectures.
Monday,	"	6th	No lectures.
Wednesday,	"	29th	Spring Term ends for 3rd, 4th and 5th Years.
Wednesday,	May	6th	Spring Term ends for 1st and 2nd Years.
Friday,	"	29th	Convocation for Conferring Degrees.

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H. M. Elder, M.D., C.M.
Demonstrator in Anatomy and Assistant Demonstrator in Surgery. Medical Arts Building.

Dudley E. Ross, M.D., C.M.
Assistant Demonstrator in Surgery. 1538 Sherbrooke St. W.

P. G. Silver, M.D., C.M.
Demonstrator in Anatomy and Assistant Demonstrator in Surgery. 1414 Drummond St.

J. N. Petersen, B.Sc., M.D., C.M.
Demonstrator in Neurology. Medical Arts Building.

G. E. Hodge, M.D., C.M.
Demonstrator in Oto-Laryngology. Medical Arts Building.

W. de M. Scriver, B.A., M.D., C.M.
Demonstrator in Pharmacology and in Medicine Royal Victoria Hospital.

G. Gavin Miller, M.D., C.M.
Assistant Demonstrator in Surgery. 1390 Sherbrooke Street West.

G. R. Brow, M.D., C.M.
Demonstrator in Medicine. Royal Victoria Hospital.

Jessie Boyd Scriver, B.A., M.D., C.M.
Demonstrator in Pediatrics. Royal Victoria Hospital.

R. Vance Ward, M.D., C.M.
Demonstrator in Industrial Hygiene. 1060 Bernard St. West.

E. H. Cayford, B.A., M.D., C.M.
Demonstrator in Anatomy. Medical Arts Building.

E. B. Chandler, M.D., C.M.
Demonstrator in Anatomy and Surgery. Medical Arts Building.

R. M. H. Power, M.D., C.M.
Demonstrator in Anatomy. 1610 Sherbrooke Street West.

D. A. Ross, B.Sc.
Demonstrator in Physiology. Biological Building.

L. P. Ereaux, B.Sc., M.D., C.M.
Demonstrator in Dermatology. 1390 Sherbrooke St. W.

B. Silverman, M.D., C.M.
Demonstrator in Mental Hygiene. 531 Pine Avenue.

J. B. Ross, M.D., C.M.
Demonstrator in Pharmacology. 1538 Sherbrooke St. W.

B. F. Macnaughton, M.D., C.M.
Assistant Demonstrator in Oto-Laryngology. 1487 Bishop Street.

J. Rosenbaum, M.D., C.M.
Assistant Demonstrator in Ophthalmology. 1396 St. Catherine Street West.

A. Bramley-Moore, B.A., M.D., C.M.
Assistant Demonstrator in Ophthalmology. 1456 Mountain St.

Harold F. H. Eberts, B.A., M.D.
Assistant Demonstrator in Medicine. 4098 Sherbrooke Street W.

W. C. Gowdey, M.D., C.M.
Assistant Demonstrator in Medicine.
4492 Sherbrooke Street, Westmount.

W. W. Alexander, M.D., C.M.
Assistant Demonstrator in Medicine. 334 Harvard Avenue.

Keith Hutchison, M.D., C.M.
Assistant Demonstrator in Oto-Laryngology.
1509 Sherbrooke St. W.

W. J. McNally, B.A., M.Sc., M.D., D.L.O., R.C.P. & S. (Eng.).
Assistant Demonstrator in Oto-Laryngology.
Medical Arts Building.

J. E. Tremble, M.D., D.L.O., (R.C. of P. and R.C. of S. Eng.).
Assistant Demonstrator in Oto-Laryngology.
1390 Sherbrooke St. West.

S. O. McMurtry, B.A., M.D., C.M.
Assistant Demonstrator in Ophthalmology. 1433 Stanley St.

G. A. Stuart Ramsey, B.A., M.D., C.M.
Assistant Demonstrator in Ophthalmology. 1496 Mountain St.

H. N. Segal, M.D., C.M.
Assistant Demonstrator in Medicine. Medical Arts Building.

Howard Dawson, B.A., M.D.
Assistant Demonstrator in Surgery. 1538 Sherbrooke St. W.

A. E. Lundon, M.D., C.M., D.P.H.
Assistant Demonstrator in Oto-Laryngology. 1501 Crescent St.

R. J. Caldwell, B.A., M.D., C.M.
Assistant Demonstrator in Pathology. Pathological Institute.

H. S. N. Greene, B.A., M.D., C.M.
Assistant Demonstrator in Pathology. Pathological Institute.

W. J. Baxter, M.D., C.M.
Assistant Demonstrator in Pathology. Montreal General Hospital.

J. B. Van der Veer, M.D. (Iowa.).
Assistant Demonstrator in Pathology. Montreal General Hospital.

C. J. Tidmarsh, M.A., M.D., C.M.
Assistant Demonstrator in Pharmacology and in Medicine.
1390 Sherbrooke St. West.

Mark Kaufmann, M.D., C.M.
Assistant Demonstrator in Surgery. Medical Arts Building.

E. C. MENZIES, M.D., C.M.
Assistant Demonstrator in Psychiatry.
Protestant Hospital, Verdun.

FELLOWS

R. V. CHRISTIE, M.B., Ch.B. (Edin.)
Research Fellow, University Medical Clinic.
Royal Victoria Hospital.

P. J. KEARNS, M.D., C.M.
Clara Law Fellow and Demonstrator in Obstetrics and Gynæcology. Pathological Institute.

R. L. KUTZ, M.Sc. (Alberta).
Research Fellow in Biochemistry. Biological Building.

J. S. L. BROWNE, B.A., B.Sc. (Med.), M.D., C.M.
Research Fellow in Biochemistry. Biological Building.

L. I. PUGSLEY.
Research Fellow in Biochemistry. Biological Building.

HISTORICAL SUMMARY

(Faculty of Medicine)

1821-1927

1744	James McGill, born October 6th (Founder's Day). Died 1813.
1801–02	Royal Institution for Advancement of Learning contemplated by Provincial Act of Parliament.
1811	Will by James McGill leaving landed estate and £10,000 to Royal Institution for Advancement of Learning for founding a University.
1818	Royal Institution for Advancement of Learning incorporated. Montreal General Hospital opened on original site on St. Lawrence Street.
1821	Royal Charter granted to the Royal Institution for the Advancement of Learning for the foundation of McGill College. Corner-stone of new Montreal General Hospital laid.
1822–24	Montreal Medical Institution organized as a Medical School by Officers of Montreal General Hospital. At opening lecture at No. 20 St. James Street on October 28, 1824, there were four teachers and twenty-five students.
1829	Estate of James McGill surrendered by residuary legatee. First meeting of Governors at Burnside House. Montreal Medical Institution "engrafted upon" McGill University as its Medical Faculty. First session of Faculty of Medicine.
1831	Medical Faculty petitioned Legislature for permission to grant degrees, and framed statutes to fulfil conditions of charter for same by order of Solicitor-General.
1832	Statutes approved and permission to confer degrees granted to Medical Faculty, and Professorships granted by Crown to Drs. Holmes, Caldwell, Robertson and Stephenson.
1833	First University degree conferred in Medical Faculty upon W. Logie.
1836–37	Faculty removed to building next to present Bank of Montreal.
1840	Faculty removed to St. George Street.
1842	Arts Building erected on University grounds, where medical lectures were held 1845-51.
1852	Faculty removed to Côté Street.
1855	Sir William Dawson appointed Principal.

1860 Geo. W. Campbell appointed Dean, serving until 1882.

1872 First independent Medical Faculty building on University ground.
Graduation of William Osler.

1882 Geo. W. Campbell Memorial Fund for Medical Faculty ($50,000); Leanchoil Endowment Fund for Medical Faculty (Lord Strathcona, $50,000).
R. P. Howard appointed Dean.

1885 New laboratories erected in Medical Building (Lord Strathcona, $100,000).

1889 Robert Craik appointed Dean—George Ross, Vice-Dean.

1893 Sir William Peterson appointed Principal.
Pathological Laboratory erected (John H. R. Molson, $60,000); Chairs of Hygiene and of Pathology endowed (Lord Strathcona, $100,000).
Mrs. Mary Dow Endowment Fund presented to Medical Faculty ($10,000).

1894 Royal Victoria Hospital opened (Lord Mount-Stephen and Lord Strathcona).

1898–01 Medical Faculty Building reconstructed and enlarged with new laboratories, etc. (Lord Strathcona, $100,000.)
Joseph Morley Drake Chair of Physiology founded ($25,000).

1901 Thomas G. Roddick appointed Dean.

1906 Alexandra Hospital for Infectious Diseases opened.

1907 Medical Building partly destroyed by fire.

1908 F. J. Shepherd appointed Dean.

1909–11 New Medical Building (as at present) erected. (Lord Strathcona, $450,000.)

1911 Robert Reford endowment of Department of Anatomy ($100,000).
Arthur A. Browne Memorial Fund for Research established ($10,000).
Dr. James Douglas research fellowship in Pathology founded ($25,000).

1912 Eddie Morrice Laboratory of Pharmacology opened (D. Morrice, $14,000).
James Cooper Endowment Fund established for Internal Medicine ($60,000).

1913 Graduates of the Faculty of Medicine subscribed $12,566 to meet fire loss.

1914 H. S. Birkett appointed Dean.
No. 3 (McGill) General Hospital organized for Overseas service.
New Foundling Hospital opened.

1916 Ross Memorial Pavilion opened by H.R.H. Duke of Connaught (J. K. L. Ross).

1917 Geo. Ross Endowment Fund for Medical Faculty presented.

1919 Sir William Macdonald bequeathed $500,000 to Medical Faculty.
Faculty of Dentistry established. Osler Library (of the history of medicine and science) bequeathed to the Faculty of Medicine by Sir William Osler.

1920 Sir Arthur Currie appointed Principal.
Dr. J. W. Scane appointed Assistant Dean.

1921 Centenary Celebration.
Friends and Graduates of McGill donated $4,000,000 to University.
Province of Quebec donated $1,000,000 to University.
Rockefeller Foundation granted $1,000,000 to Medical Faculty.
F. G. Finley appointed Dean.

1922 Laboratories for Biological Sciences opened.
Geo. E. Armstrong appointed Dean.
New Outpatient Department erected at Royal Victoria Hospital.

1923 Pathological Institute erected.
C. F. Martin appointed Dean.

1924 Rockefeller Foundation gave $500,000 to Medical Faculty to establish University Clinic in Department of Medicine at Royal Victoria Hospital.
Amalgamation of Western Hospital with the Montreal General Hospital.

1925 Erection of Royal Victoria-Montreal Maternity Pavilion.
Roddick Memorial Gates opened.

1926 Closing of old Montreal Maternity Hospital.

1927 Sub-department of Industrial Medicine formed, with Industrial Clinic at the Montreal General Hospital. (Grant of $25,000 from Metropolitan Life Insurance Company.)
Inter-Hospital Commission formed for purposes of administration.

1929 Opening of new laboratory building for Experimental Surgery.
Rockefeller Foundation gave $85,000 for research in Surgery.

OFFICERS AND MEMBERS OF THE FACULTY SINCE ITS ORIGIN

DEANS

Dr. R. Robertson, official head of the Montreal Medical Institution, 1823, was followed by Dr. John Stephenson in 1829 as Registrar and official head of the Faculty up to 1842, when he was succeeded by Dr. A. F. Holmes with the title of Secretary.

A. F. Holmes, 1854.
Geo. W. Campbell, 1860.
R. P. Howard, 1882.
Robert Craik, 1889.
George Ross (Vice-Dean), 1889.
Thomas G. Roddick, 1901.
Francis J. Shepherd, 1908.
Herbert S. Birkett, 1914.
F. G. Finley, 1921.
George E. Armstrong, 1922.
C. F. Martin, 1923.
(J. W. Scane, Assistant Dean, 1920–1922.)

REGISTRARS

John Stephenson, 1829.
Archibald Hall, 1842.
William Wright, 1864.
Robert Craik, 1869.
William Osler, 1877.
F. J. Shepherd, 1883 (Acting).
James Stewart, 1884.
R. F. Ruttan, 1891.
E. M. Eberts, 1902.
(J. W. Scane, Assistant Dean, 1920-1922.)

Registrar abolished—1923

SECRETARIES

J. C. Simpson, 1923.

MEDICINE

Chair of Medicine
(Founded 1824)

William Caldwell, 1824.
William Robertson, 1833.
Andrew F. Holmes, 1842.
R. P. Howard, 1860.
George Ross, 1889.
James Stewart, 1893.

Chair of Clinical Medicine
(Founded 1845)

James Crawford, 1845 and 1852.
Robt. L. MacDonnell, 1849.
Stephen C. Sewell, 1850.
R. P. Howard, 1856.
Duncan C. MacCallum, 1860.
Joseph M. Drake, 1872.
George Ross, 1872.
Richard L. MacDonnell, 1889.
James Stewart, 1891.

Chair of Medicine and Clinical Medicine
(Founded 1907)
(Chair of Medicine since 1923)

F. G. Finley, 1907–1924.
H. A. Lafleur, 1907–1919.
C. F. Martin, 1907.
J. C. Meakins, Professor and Director, 1924.
C. P. Howard, 1924.
W. F. Hamilton, 1924.

SURGERY

Chair of Surgery
(Founded 1824)

John Stephenson, 1824.
G. W. Campbell, 1835.
Geo. E. Fenwick, 1875.
T. G. Roddick, 1890.

Chair of Clinical Surgery
(Founded 1840)

James Crawford, 1845.
William E. Scott, 1852.
Duncan C. MacCallum, 1856.
Robert Craik, 1860.
George E. Fenwick, 1867.
Thomas G. Roddick, 1876.
James Bell, 1894.

Chair of Surgery and Clinical Surgery
(Founded 1907)
(Chair of Surgery since 1923)

James Bell, 1907–1911.
Geo. E. Armstrong, 1907–1923.
J. A. Hutchison, 1913–1923.
E. W. Archibald, Professor and Director, 1923.
A. T. Bazin, 1923.
E. M. Eberts, 1929.

OBSTETRICS AND GYNÆCOLOGY

Chair of Obstetrics
(Founded 1824)

William Robertson, 1824.
John Racey, 1833.
Geo. W. Campbell, 1835.
Michael McCullogh, 1842.
Archibald Hall, 1854.
D. C. MacCallum, 1868.
Arthur A. Browne, 1883.
J. Chalmers Cameron, 1886.

Chair of Gynæcology
(Founded 1883)

William Gardner, 1883.
W. W. Chipman, 1910.

Chair of Obstetrics and Gynæcology
(Founded 1913)

W. W. Chipman, 1913.
J. R. Fraser, 1929.
H. M. Little, 1929.

ANATOMY

(Chair founded 1824)

John Stephenson, 1824.
Oliver T. Bruneau, 1842.
William E. Scott, 1856.
Francis J. Shepherd, 1883.
A. C. Geddes, 1913.
S. E. Whitnall, 1919.

CHEMISTRY

Chair of Chemistry
(Founded 1824)

Andrew F. Holmes, 1824.
Archibald Hall, 1842.
William Sutherland, 1849.
Robert Craik, 1867.
Gilbert P. Girdwood, 1879.
R. F. Ruttan, 1902.

Chair of Practical Chemistry
(Founded 1872)

Gilbert P. Girdwood, 1872.
R. F. Ruttan, 1894.

Chair of Bio-Chemistry

A. B. Macallum, 1920.
J. B. Collip, 1928.

INSTITUTES OF MEDICINE

Chair of Institute of Medicine

(Founded 1824 and included the Department of Physiology, Histology and Pathology)

John Stephenson, 1824.
Stephen C. Sewell, 1842.
Robert L. MacDonnell, 1845.
William Fraser, 1849.
Joseph M. Drake, 1868.
William Osler, 1874.

PHYSIOLOGY

(Founded 1824—endowed 1897)

Wesley Mills, 1886.
N. H. Alcock, 1911.
G. R. Mines, 1914.
John Tait, 1919.
Boris P. Babkin, 1928.

PATHOLOGY

(Founded 1892—endowed 1893)

J. Geo. Adami, 1892.
H. Oertel, 1919.

PHARMACOLOGY

Chair of Pharmacology and Therapeutics

(Founded 1824)

Andrew F. Holmes, 1824.
Archibald Hall, 1835.
Stephen C. Sewell, 1842.
A. Hall, 1849.
William Wright, 1854.
James Stewart, 1883.
A. D. Blackader, 1891.

Chair of Pharmacology

H. G. Barbour, 1921.
R. L. Stehle, 1924.

BOTANY

(Chair founded 1829)

ANDREW F. HOLMES, 1829.
DR. PAPINEAU, 1845.
J. W. DAWSON, 1855–56 and 1858–83.
JAMES BARNSTON, 1857–58.
D. P. PENHALLOW, 1883.
F. E. LLOYD, 1912.

MEDICAL JURISPRUDENCE

(Chair founded 1845)

WILLIAM FRASER, 1845.
FRANCIS BADGLEY, 1849.
FRANCIS C. T. ARNOLDI, 1850.
WILLIAM E. SCOTT, 1851.
WILLIAM WRIGHT, 1852.
R. PALMER HOWARD, 1854.
DUNCAN C. MACCALLUM, 1860.
GEORGE E. FENWICK, 1867.
WILLIAM GARDNER, 1875.
GEORGE WILKINS, 1883.
D. D. MACTAGGART, 1911–1929.

HYGIENE AND PUBLIC HEALTH

(Chair founded 1871—endowed 1893)

GEORGE ROSS, 1871.
THOMAS G. RODDICK, 1873.
ROBERT T. GODFREY, 1875.
WILLIAM GARDNER, 1879.
R. L. MACDONNELL, 1886.
ROBERT CRAIK, 1889.
WYATT JOHNSTON, 1902.
T. A. STARKEY, 1902.
A. G. FLEMING, Professor and Director of the Department of Public Health and Preventive Medicine, 1926.

OPHTHALMOLOGY AND OTO-LARYNGOLOGY

Chair of Ophthalmology and Otology
(Founded 1883)

FRANK BULLER, 1883.

Chair of Laryngology
(Founded 1893)

G. W. Major, 1893.
H. S. Birkett, 1895.

Chair of Oto-Laryngology

H. S. Birkett, 1895.

Chair of Ophthalmology

J. W. Stirling, 1906.
W. G. Byers, 1923.

CHAIR OF ZOOLOGY

E. W. MacBride, 1902.
Arthur Wiley, 1910.

CHAIR OF HISTORY OF MEDICINE

Andrew MacPhail, 1907.

FACULTY OF MEDICINE

The ninety-eighth session of the Faculty will open on September 17th, 1930.

ENTRANCE REQUIREMENTS

A sound general education is an essential foundation for professional training and a four-year course leading to a B.A. or B.Sc. degree is considered the most desirable preparation for the study of medicine. Preference will be given, therefore, to applicants who have had a full academic course in which the humanistic studies have not been sacrificed to a narrow scientific specialization.

Candidates without a degree should have at least three years of college work. In exceptional cases applications may be received from students who have completed two years of work in a recognized college or faculty of Arts, provided they present certificates that they have scholastic standing placing them in the first third of their class.

It is distinctly to be understood that the Faculty does not undertake to accept all students who have passed the courses necessary to fulfil the requirements and reserves the right to select for admission only those candidates who, in the opinion of the Committee on Admissions, give promise of work of high quality in the medical course.

All applicants must present satisfactory evidence that their college courses include the following:—

Physics—One year of general college Physics with laboratory work.

Biology—One year of General Biology and Zoology with laboratory work. One half-year of Botany and one half-year of Zoology will be accepted, but not one year of Botany alone.

Chemistry—Two years:—
(a) One full course of General Chemistry with laboratory work.
(b) One full course of Organic Chemistry with laboratory work.

Students who wish to pursue their preliminary course at McGill may register as regular undergraduates in the Faculty of Arts and should apply for admission to the Faculty of Medicine at the end of their third year or preferably on graduation.

Candidates for admission to the Faculty of Medicine must also present evidence that they have satisfied the matriculation requirements of the Licensing Body of the Province to which they belong. (For further particulars see "Requirements for Licence to Practise," p. 42.)

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than July 1st.

A fee of $25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

APPLICATION FOR EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit to the Secretary of the Faculty an official statement of his preliminary education and of the course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office for the session 1930-31 on September 10th to September 16th, 1930. Those who register after September 16th will be required to pay a fee of $5.00 if they do so during the first week of the session and $10.00 if during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

PHYSICAL EXAMINATION, VACCINATION AND HEALTH

In order to promote as far as possible the physical welfare of the student body, every student coming to the University for the first time will be required to pass a physical examination. Students of the Second Year, as well as those of all Years who wish to engage in athletic activities, are also required to be physically examined. The hours for this examination will be announced at registration.

Students who do not present themselves for the medical examination (or otherwise satisfy the Director) before November 1st, will not be allowed to attend the University.

Re-examinations will be held frequently throughout the session for those students who are of low category, or who are suffering from physical disabilities.

All students in good standing who are taking a course of study held to be sufficient by a special committee of the Faculty in which they are enrolled will be allowed to take part in athletics, subject, however, to the general regulation regarding medical examination.

Suspension from lectures for any cause, or absence from more than one-eighth of the total number of lectures given in any course, as shown by the monthly reports furnished to the Dean of each Faculty by the several professors and lecturers, shall be considered as sufficient ground to disqualify a student from engaging in athletic contests.

During the session and including the Christmas holidays, all teams and individual *students desiring to participate in "outside"* athletics* must first apply to the Captain or Manager of the club concerned, who must secure the permission of the Athletic Manager, by whom all such sanctions are granted.

Should any student take part in any athletic contest not having been sanctioned as above, or who is not personally qualified under the regulations regarding eligibility, medical examination, etc., such student shall be immediately debarred from participation in all University athletics. He shall be reported to the Athletic Board, which body shall, if it sees fit, request the offender to withdraw from the University, if the consent of the Principal has been given, until Corporation shall meet to deal with the matter.

(For further regulations see handbook published by the Athletic Board.)

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* Outside athletics is interpreted to mean the athletics over which the Athletic Board of the University or the Canadian Intercollegiate Athletic Union does not have control.

Provision is made by the Department for the care of the health of undergraduate students during the session. Hospital accommodation is provided for seven days only, and for that time, only when requisitioned for by the Department. A leaflet concerning this service and the general work of the Department, together with the regulations governing athletics, will be distributed at the opening of the session.

FEES

All students must register with the University Registrar before paying their fees.

1. Fees are due and payable to the Bursar on September 23rd, 24th and 25th. They may be paid by cheque, which should be mailed so as to reach the Bursar by the date named.

Fees will also be accepted before September 17th.

Students who pay by instalments will be required to pay the second instalment on or before February 1st.

After September 25th or February 1st (in the case of those who pay by instalments) an additional fee of $2.00 will be exacted of all students in default.

2. Immediately after October 10th, or February 5th (in case of students who pay by instalments), the Bursar shall send to the Dean of the Faculty a list of the registered students who have not paid their fees, on receipt of which he shall cause their names to be struck from the register of attendance, and such students cannot be re-admitted to any class except on presentation of a special ticket, signed by the Bursar, certifying to the payment of fees.

3. Students registering after September 25th shall pay their fees at the time of registration, failing which they become liable for the additional fee of $2.00 exacted of students in default.

4. Fee for the support of various undergraduate organizations, for the skating rinks and tennis courts during the session, and for admission to the home games under the control of the Athletic Board:—

For men undergraduates	$17.00
For women undergraduates	10.00

Partial students who pay the above fees will have the same privileges as undergraduates in these respects.

The sum of $10.00 is collected from all students at the time of registration as "caution money," from which deductions for breakage reported from the laboratories or lecture rooms are made, and a refund is granted at the close of the session.

5. Partial students will be admitted to one or more courses on payment of special fees and a fee of $3.00 for athletics.

6. Students repeating the course of study of any academic session are not required to pay full fees. A fee of one hundred dollars will be charged, which will include dissecting material, chemical reagents, laboratory fees, etc.

7. Students taking out extra dissecting material will be charged at the rate of $10.00 for a half session and $20.00 for a whole session.

8. An *ad eundem* fee of $10.00 is charged students entering from another university in any Year above the First.

9. When the degree of Doctor of Medicine and Master of Surgery is conferred in absentia, a fee of twenty dollars will be charged, unless the candidate has been specially exempted by the Faculty.

10. The fee for the graduate course in Public Health, including laboratory fee, the fee for outdoor work and the diploma fee, is $100.00.

SUMMARY OF FEES

Sessional fee		$250.00*
By instalments:		
First instalment, if paid before September 27th.	$127.50†	
Second instalment, if paid before February 5th.	127.50†	
Miscroscope, first instalment (on deferred payment plan)	32.00	32.00
Caution money (deposit)	10.00	10.00
Fee for Union, athletics, etc.	17.00	17.00
	$314.00	$309.00

* For students who entered the Faculty prior to the session 1926-27 this fee will be $205.00.

† For students who entered prior to 1926-27, $105.00.

MICROSCOPES

Each student is required to provide himself, on beginning his studies, with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine.

Should the student not be provided with such a microscope, he may purchase a new guaranteed instrument through the Bursar's office of the University for the sum of $105.00 or on the deferred payment plan, by which payment is spread over five years, as follows:—First year, $32.00; second year, $25.00; third year, $22.00; fourth year, $20.00; fifth year, $16.00.

STUDENTS' EXPENSES

1. BOARD AND RESIDENCE

No college residences have as yet been erected for men students, but dormitory accommodation for about 60 is provided in Strathcona Hall, the home of the Student Christian Association of McGill University. Full particulars concerning terms of residence, etc., may be obtained from the Secretary of the Association, 772 Sherbrooke Street West, Montreal, who will also make arrangements to have students who are strangers to the city met on arrival and helped to secure lodgings, if due notice is sent of the station and time at which they will arrive.

Information about boarding and lodging houses may be had on application to the Secretary at Strathcona Hall. A list of suitable houses is prepared about a fortnight before the opening of the session each year. Owing to frequency of change, this list is not mailed.

Board and lodging can be obtained in private houses in the vicinity of the University buildings at a cost of from $60.00 and upwards per month; or, separately, board at $45.00 to $55.00 per month, rooms from $15.00 to $20.00 per month.

Board is furnished in the McGill Union at low rates. The dining room, which is a special feature of the Union, will accommodate over 120 students at a time. There is also a lunch counter where meals are served *à la carte*.

2. APPROXIMATE ESTIMATE OF COST OF COURSE

	Minimum	Moderate
Tuition Fees	$250.00	$250.00*
Fee for Athletics, Union, etc.	17.00	17.00
Board and Lodging	480.00	560.00
Books, Instruments, etc.	153.00	173.00
	$900.00	$1,000.00

It will be noted that in the above estimate no account is taken of personal expenses, such as cost of clothes, laundry, etc., nor yet of the caution money deposit of $10.00 which is made by each student at the commencement of the session. Students are advised also to reckon on at least $20.00 to $25.00 per annum for subscriptions of various kinds.

* For students who entered the Faculty prior to 1926-27, this fee will be $205.00.

COURSE FOR THE M.D. DEGREE AND EXAMINATIONS

A. The Medical Course

Each session is divided into three terms of ten weeks, and the course will be completed in fifteen terms—or, if the student so desires, he may proceed more slowly prior to taking the examinations for his degree.

The curriculum is so arranged as to permit of a student taking additional or advanced work in certain terms, while in the hospital year much more latitude will be afforded for independent study.

The tenth, eleventh and twelfth terms are arranged on a rotary system.

B. Examinations

1. *Class Examinations,* oral or written, are held during the session to test the progress of the student. If the standing obtained by any student in these examinations is unsatisfactory, he shall not be permitted to take the final examination.

2. *Final or University Examinations* are the ultimate test in determining a student's fitness for promotion or graduation. They are held at the end of the Winter and Spring Terms and during the fortnight preceding the opening of the Autumn Term in September.

The Final or University Examinations include the following subjects arranged in three divisions:—

First:—

1.	Anatomy	3 terms
2.	Histology	2 "
3.	Bacteriology	1 term
4.	Physiology	3 terms
5.	Biochemistry	2 "

Second:—

6.	Pharmacology	1 term
7.	Pathology and Medical Jurisprudence.	5 terms

Third:—

8.	Public Health and Preventive Medicine	2 terms
9.	Obstetrics and Gynæcology	2 "
10.	Surgery (including Urology and Orthopædic Surgery)	6 "
11.	Medicine (including Pediatrics, Neurology, Psychiatry, Dermatology and Laboratory Diagnosis)	7 "

In order to qualify for these examinations, a candidate must have attended a course or courses of study extending over at least the number of terms specified in each case.

3. *Re-examination:*—A student who has failed in the Final Examination in any subject may apply for re-examination at the next examination period. Applications must be in the hands of the Secretary at least one week before the date set for the beginning of the examinations, and the applicant must at the same time pay to the Bursar a fee of $5.00 for each subject.

C. Grading

At the conclusion of each course students will be graded in five groups, as follows:—

A = Honours
B = Good
C = Fair
D = Doubtful
E = Failure.

In reporting the grading, the names of those students who attain honour standing shall be arranged in order of merit; in all other grades the arrangement shall be alphabetical.

The grade assigned to a student shall be based upon the result of the Final and Class Examinations, but the instructor will also take into account the record of the work done throughout the course.

The quality of the English used by a candidate will be taken into account in determining his standing in all examinations.

D. Promotion

As noted in section A, the Final or University Examinations are arranged in three divisions. Whilst a certain latitude is permitted as to the time at which these examinations are passed, the following rules will be rigidly enjoined:—

1. *First Division.*—A student must pass the examinations in all subjects of the First Division before he will be permitted to begin the work of the seventh term.

2. *Second Division.*—The examinations in Pharmacology and General Pathology must be passed before a student will be permitted to proceed to the work of the tenth term. The examination in Special Pathology must be passed before the student may proceed to the work of the thirteenth term.

3. *Third Division.*—A candidate may pass the Final Examinations in Public Health separately from the examinations in the other subjects of the Third Division, but not earlier than the end of the twelfth term.

To qualify for the Final Examinations in Medicine, Surgery and Obstetrics, a candidate must have:—

(a) Attended courses extending over a period of not less than fifteen terms.

(b) Satisfactorily completed the prescribed courses of study and practice in:—

i. Ophthalmology,
ii. Oto-laryngology,
iii. Abnormal Psychology and Psychiatry,
iv. Infectious Diseases,
v. Anæsthesia,
vi. Post-mortem Examinations,

and such other courses as the Faculty may from time to time determine.

The Final Examinations in Medicine, Surgery and Obstetrics must all be passed at one time, but a student who fails in one of these subjects only may, at the discretion of the Faculty, be allowed a re-examination in that subject at the next regular examination period, provided that he shall have satisfactorily completed such additional work as may be prescribed by the Head of the Department concerned.

4. The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

5. At the end of the Spring Term, the Promotion Committee will consider the cases of all students who at the conclusion of their third term are reported by their instructors as having fallen below the grade of C and shall determine whether such students are to be allowed to continue, warned, required to repeat the course or courses, or retired from the Faculty.

MEDALS, PRIZES, FELLOWSHIPS AND SCHOLARSHIPS

Medals

The Holmes Gold Medal, founded by the Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., one time Dean of the Faculty of Medicine, is awarded to the student graduating with the highest aggregate number of marks in the different branches comprised in the medical curriculum.

The student who wins the Holmes Medal has the option of exchanging it for a bronze medal and the money equivalent of the gold medal.

The Wood Gold Medal, founded by Casey A. Wood, M.D., LL.D., awarded to the student graduating with the highest aggregate number of marks in the clinical examinations of the Final Year. The winner of the Holmes Medal is not permitted to compete for this medal.

The Sutherland Gold Medal, founded in 1878 by the late Mrs. Sutherland, in memory of her late husband, William Sutherland, M.D., formerly Professor of Chemistry in this Faculty, is awarded for the best examination in Bio-chemistry, together with a creditable examination in the primary branches.

The Lieutenant Governor's Silver Medal, to be awarded to the student who obtains the highest marks in General Medicine at the end of the Fifth Year.

The Lieutenant Governor's Bronze Medal, to be awarded to the student who obtains the highest standing in the Final Examination in Physiology.

Prizes

The Joseph Hils Prize. (Founded by the late Dr. Joseph Hils, of Woonsocket, R.I.).—A prize in books, awarded to the student who obtains the highest number of marks in the subject of Pharmacology.

The Joseph Morley Drake Prize. (Founded by the late Joseph Morley Drake, M.D.).—A prize in books, to be awarded to the student who obtains the highest number of marks at the Final Examination in Pathology.

Primary Prize. A prize in books awarded for the best aggregate standing in the subjects of the first division (Anatomy, Histology, Physiology, Biochemistry and Bacteriology).

The F. Slater Jackson Prize. An annual prize of $50.00, founded by Mr. and Mrs. H. F. Jackson in memory of their son, the late F. Slater Jackson, M.D. The prize is awarded on the result of a special examination, written and oral, in Histology and Embryology.

The Alexander D. Stewart Prize. An annual prize in books, founded by the late W. Grant Stewart (Arts 1885, Med. 1888) in memory of his brother, the late Alexander D. Stewart (Med. 1888), to be awarded to the member of the graduating class who, in the opinion of the Faculty, presents in every respect the highest qualifications to practise his profession.

Fellowships

The A. A. Browne Memorial Fellowship.—The sum of $10,000 was received by the Faculty from the committee of the A. A. Browne Memorial Fund. With this sum a fellowship has been established, to be known as the "A. A. Browne Memorial Fellowship." This fellowship is open to graduates of any recognized Medical School and is for the advancement of medical science, special preference being given to the subjects of obstetrics and gynæcology.

The James Douglas Research Fellowship.—The sum of $25,000 was donated by the late Dr. James Douglas, the proceeds to be devoted to co-ordinated research in the laboratories of pathology in or associated with the University.

The James Douglas Studentship.—A studentship in pathology, given by the late Dr. James Douglas, open to McGill graduates only, tenable for six years and of the value of $1,250 for the first year, increasing to $2,500.

The James Cooper Fellowships for the Study of Internal Medicine.—This fund of $60,000 was donated in 1912 by the will of the late James Cooper of Montreal to promote study and research in Internal Medicine.

The John McCrae Fellowship.—A fellowship of approximately $600, founded in 1918 as a yearly donation by Mr. H. J. Fuller, of New York, in memory of the late Lt.-Col. John McCrae, for the purpose of scientific research in Experimental Surgery. Established as a permanent fellowship in 1920 by Mr. Fuller and the Canadian Fairbanks-Morse Company.

The John W. Flinn Research Fellowship.—In 1921, Dr. John W. Flinn, of Prescott, Arizona, gave the sum of $5,000, to be paid in five equal annual instalments of $1,000, this sum to be used for the assistance of medical research in tuberculosis.

The Hiram N. Vineberg Fellowship in Gynæcology, of the value of $250.00 per annum, donated in 1924 by Dr. Hiram N. Vineberg, of New York, a graduate of McGill University, 1878.

The J. W. McConnell Scholarship.—The sum of $1,000.00 was donated to the Department of Surgery for purposes of research for the year 1925-26. This was renewed each year since and in 1928 was increased in value to $1,500. It will be again available for the session 1930-31.

The Clara Law Fellowship, founded in 1927 by Mrs. J. R. Fraser for the furtherance of research in the laboratory of the Department of Obstetrics and Gynæcology, is of the value of $1,200 per annum.

The P. P. Cowans Scholarship of $1,000.00 was presented to the Department of Surgery and Physiology for purposes of investigation in these subjects during the year 1925-26. It was renewed each year since and will be again available in 1930-31.

The Walter J. Hoare Memorial Scholarship.—A sum of money has been donated by Dr. Charles W. Hoare, a graduate of McGill University, as a Scholarship in Medicine, in memory of his son, Walter J. Hoare, who was killed in the Great War. This Scholarship is open to pupils of the Collegiate Institutes of the counties of Essex, Kent and Lambton entering the Faculty of Medicine.

Six scholarships for Canadian students, four donated in 1927, by Mrs. R. MacDougall Paterson, Mrs. Charles Meredith, Mrs. C. F. Martin and Louis Colwell, Esq., and two in 1928 by C. W. Lindsay, Esq., and A. B. Purvis, Esq. These scholarships are valued at $400.00 each per annum, and extend over the five years of the course. The conditions pertaining to these scholarships may be had on application to the Dean or Secretary of the Faculty of Medicine.

The Dr. J. Francis Williams Scholarship of $500.00, founded by the late J. Francis Williams, M.D., to be awarded to the student of the Final Year who obtains the highest standing in Medicine and Clinical Medicine.

The Dr. J. H. B. Allan Scholarship of $300.00, founded by bequest of Mrs. Agnes W. Allan, wife of the late Dr. J. H. B. Allan, to be used as the Faculty may direct.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all of the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for five full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University.

3. No one shall be permitted to become a candidate for the degree who shall not have attended at least one full session at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the five years of the Medical course.

5. He must have attended during at least three sessions or nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.

6. He must also have attended during one full session the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.

7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENSE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensure is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before beginning the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a license to practise can be obtained. In order that disappointment and loss of time may be avoided, the University *requires students to register with the licensing body of their home province or state before beginning their medical course.*

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC.—Dr. J. Gauvreau, 354 St. Catherine Street E., Montreal.

ONTARIO.—Dr. H. Wilberforce Aikens, 170 University Avenue, Toronto, Ont.

NEW BRUNSWICK.—Dr. S. H. McDonald, 56 Colborne Street, Saint John, N.B.

NOVA SCOTIA.—Dr. W. H. Hattie, Halifax, N.S.

PRINCE EDWARD ISLAND.—Dr. H. D. Johnson, Charlottetown, P.E.I.

MANITOBA.—Dr. J. E. Coulter, 604 Boyd Bldg., Winnipeg, Man.

ALBERTA.—Dr. George R. Johnston, Calgary, Alta.

SASKATCHEWAN.—Dr. A. MacG. Young, Saskatoon, Sask.

BRITISH COLUMBIA.—Dr. A. P. Proctor, Vancouver, B.C.

The Registrar for Newfoundland is Dr. T. Mitchell, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the license of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain. To obtain a license from the General Council it is necessary to pass one of the examining boards of Great Britain in the final subjects.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

COURSES OF INSTRUCTION

ANATOMY

THE ROBERT REFORD PROFESSOR:—S. E. WHITNALL.

ASSISTANT PROFESSOR:—J. BEATTIE.

LECTURER:—H. E. MACDERMOT.

SENIOR DEMONSTRATOR:—D. S. FORSTER.

DEMONSTRATORS:—G. C. ANDERSON; E. H. CAYFORD; E. B. CHANDLER; H. M. ELDER; R. R. FITZGERALD; G. A. FLEET; G. D. LITTLE; R. BRUCE MALCOLM; R. M. H. POWER; A. ROSS; W. W. RUDDICK; P. G. SILVER.

The required courses in Anatomy, Histology and Embryology are given in the first three terms of the Medical Course. In subsequent terms opportunity is afforded for a complete revision in Anatomy, together with optional courses of advanced work, both gross and microscopic.

REQUIRED COURSES

1. Lecture Course in Gross Anatomy.

Three hours weekly throughout the Autumn, Winter and Spring Terms.....Professors Whitnall and Beattie.

Text-books:—Gray's "Anatomy" (English Edition); Whitnall's "Study of Anatomy."

Reference books:—Quain, Cunningham, Piersol, Keith's "Human Embryology and Morphology."

Recommended for Collateral Reading:—Keith's "Menders of the Maimed"; Hilton's "Rest and Pain."

2. Laboratory Course in Gross Anatomy.

Fifteen hours weekly during the Autumn and Winter Terms, and fourteen hours weekly during the Spring Term.

Professor Whitnall and Staff.

Practical Manual:—Walmsley.

3. **Tutorials:** Devoted mainly to the study of osteology and surface anatomy.
One hour weekly throughout the session.
Drs. MacDermot and Forster.
Text-books:—Gray's "Anatomy"; Thompson's "Surface Anatomy."

4. **Discussions:** Informal class discussions upon problems and difficulties.
One hour a week throughout the session.....Dr. Beattie.

5. **Revision Course:** An optional laboratory course covering the whole body.
Three hours weekly throughout the session for students who have completed the required work.....Professor Whitnall and Staff.

6. **Elective Work:** Advanced or special work by arrangement.
Six hours weekly during the Spring Term.
Professor Whitnall and Staff.

7. **Ophthalmological Anatomy:** Mainly a laboratory course designed for graduates in Medicine who intend to specialize in Ophthalmology.
By arrangement. Details on application.....Professor Whitnall.

8. **Oto-laryngological Anatomy:** A similar course.
By arrangement. Details on application.....Professor Whitnall.

9. **Physical Anthropology:** A didactic and laboratory course.
By arrangement .....Dr. Beattie.

10. **Neurology:** A series of colloquia on recent work on the Nervous System.
By arrangement .....Dr. Beattie.

11. **Comparative Anatomy of the Primates:** Offered for students taking the Honours Course in the Biological Sciences. The course is based upon and continues the work of general comparative anatomy and leads on to the study of human anatomy.
Two lectures or colloquia and two hours of laboratory work per week during the year.....Dr. Beattie.

HISTOLOGY AND EMBRYOLOGY

PROFESSOR:—J. C. SIMPSON.

LECTURERS IN HISTOLOGY:—D. J. BOWIE. W. M. FISK. C. T. CROWDY.

DEMONSTRATOR:—G. C. ANDERSON.

REQUIRED COURSES

1. **Histology and Embryology—Lecture Course.**
Three hours weekly during the Autumn and Winter Terms.
Professor Simpson and Dr. Fisk.
Text-books:—Jordan, Bailey, Lewis and Bremer.

2. **Histology and Embryology—Laboratory Work.**
Seven hours weekly during the Autumn and Winter Terms.

3. **Organogenesis**: The development of the organs and systems of the human body.
One hour a week throughout the Session.....Professor Simpson.
Reference books:—Jordan; Arey; Keith.

OPTIONS

4. **Special Histology and Embryology.**
Laboratory course open to students who have completed Courses 1 and 2.
Three hours weekly (Saturday mornings) throughout the Session.

5. **Optional Work:** Advanced work, including microscopical technique.
Six hours a week during the Spring Term. By arrangement.

PHYSIOLOGY

THE JOSEPH MORLEY DRAKE PROFESSOR:—JOHN TAIT.

RESEARCH PROFESSOR:—BORIS P. BABKIN.

ASSISTANT PROFESSOR:—N. GIBLIN.

DEMONSTRATOR:—D. A. ROSS.

In this department special provision is made not only for undergraduate but also for graduate instruction. There are full courses in Physiology proper for all undergraduates. For graduate purposes other special courses are given.

REQUIRED COURSES

1. **Introductory Course**—Lectures and Demonstrations.
In this course, which is comprehensive rather than detailed, the general principles of the subject are dealt with.
Five hours a week during the Spring Term.

2. **Intermediate Course**—Lectures, Demonstrations and Laboratory.
Three lectures, one demonstration and six hours laboratory work a week. Autumn Term.
The more detailed description of the nervous system and sense organs forms a part of this course. The accompanying laboratory course consists of experiments on surviving parts of the frog and on the human subject.
Text-books:—Howell, Macleod, Starling, Stewart.

3. **Senior Course.**—Lectures, Demonstrations and Mammalian Laboratory.
During these lectures the survey of the subject for undergraduate medical purposes is completed. The laboratory work accompanying the course involves a more advanced operative and instrumental technique.
Three lectures, one demonstration and six hours of laboratory work. Winter Term.
Text-book:—Sharpey-Schafer, "Experimental Physiology."
Laboratory Text-book:—Sherrington, "Mammalian Physiology."

4. **Lectures on Autonomic Nervous Systems**..Professor Babkin.

5. **Lectures on Selected Advanced Topics**.....Professor Giblin.

6. **Lectures on Structure and Function**.....Professor Tait.

7. **Advanced Laboratory.**

8. **Physiological Colloquium.**

PSYCHOLOGY

PROFESSOR OF ABNORMAL PSYCHOLOGY:—J. W. BRIDGES.
ASSISTANT PROFESSOR OF ABNORMAL PSYCHOLOGY:—
K. M. BANHAM BRIDGES.

REQUIRED COURSE

1. **Normal and Abnormal Psychology.** Psychophysiological standpoint, the relation of abnormal to normal mental life and behaviour, the mechanism of behaviour and the physical basis of consciousness, theories of the unconscious, the motivation of behaviour, association and dissociation; imitation, suggestion, instinct, habit, emotion, memory, intelligence, character, temperament, and their abnormalities.
Two lectures a week. Seventh and Eighth Terms.
Professor J. W. Bridges.

Optional Courses

These are one term courses open to students in the Fourth and Fifth Years and to graduates.

2. **Mental Measurements.** Intelligence tests, ratings of character and temperament, and other mental examination methods.
The course will include practice in giving tests.
This course is intended for students specializing in psychiatry.
By arrangement.....Prof. J. W. Bridges.

3. **Child Psychology.** Aspects of mental development, with special reference to the pre-school child. The course will include practical observations in the McGill Nursery School.
This course is intended for students specializing in pediatrics.
By arrangement.....Asst. Prof. K. M. B. Bridges.

4. **Psychology in Industry.** The selection of employees, the worker's efficiency, and his adjustment to his task.
This course is intended for students specializing in Industrial Medicine.
By arrangement.....Prof. J. W. Bridges.

BIOCHEMISTRY AND PATHOLOGICAL CHEMISTRY

Professor:—J. B. Collip.

Assistant Professors:—D. L. Thompson. J. W. Scott.

Lecturers on Pathological Chemistry:—E. H. Mason. I. M. Rabinowitch.

Research Fellows:—R. L. Kutz. J. S. L. Browne. L. I. Pugsley.

1. Biochemistry—Lecture Course.

During the first half of the course the lectures deal with the chemical constitution, the physical and other characters and the relationships of the products of the activities of living matter, carbohydrates, fats, proteins, urea, purins, etc., and in the second half will involve an extensive discussion of (a) the origin, character and the active properties of the various ferments of the digestive tract; (b) the chemical and physical processes involved in, and the products resulting from,

the digestion, absorption and assimilation of the foodstuffs in the human body; (c) the intermediate and ultimate products of metabolism, and (d) the chemistry of the tissues and of blood, bile and urine.

Four hours a week during the Autumn and Winter Terms.

2. Biochemistry—Laboratory Course.

The exercises will deal with the practical side of the subjects treated in the lecture course, such as the digestion of starch, fats, and proteins, the absorption and assimilation of fats, the metabolism of the carbohydrates absorbed, and of the products of protein digestion. Especial attention will be given to the methods of the qualitative and quantitative determination of the more important metabolites, such as urea, uric acid, creatine, creatinine, etc.

Twelve hours per week during the Autumn and Winter Terms.

Towards the close of Courses 1 and 2 in the second term, special attention will be given to pathological chemistry, which will involve a course of about twenty lectures and about fifty hours of practical work on metabolism in disease.

In addition to the written and practical examination exacted of each student in this course, oral examinations will be held and the results thus obtained will, with those from the written and practical tests, serve to determine the standing of the student in the class list in Biochemistry for the year.

Text-books:—Cameron, "A Text-book of Biochemistry"; Folin, "Laboratory Manual of Biological Chemistry"; Lusk, "Science of Nutrition."

Reference books:—Robertson, "Principles of Biochemistry"; Bayliss, "Principles of General Physiology"; Plimmer, "Practical Organic and Bio-Chemistry"; Mathews, "Physiological Chemistry"; Bodansky, "Introduction to Physiological Chemistry"; Hawk, "Practical Physiological Chemistry"; Pryde, "Recent Advances in Biochemistry"; Lovatt-Evans, "Recent Advances in Physiology"; Macleod, "Physiology and Biochemistry in Medicine"; Burns, "An Introduction to Biophysics"; Thomson, "The Life of the Cell"; Gortner, "Outlines of Biochemistry."

PATHOLOGY

STRATHCONA PROFESSOR:—HORST OERTEL.

ASSOCIATE PROFESSOR:—L. J. RHEA.

ASSISTANT PROFESSOR:—T. R. WAUGH.

LECTURER AND DOUGLAS FELLOW IN PATHOLOGY:—W. H. CHASE.

LECTURER:—J. E. PRICHARD.

LECTURER IN NEUROPATHOLOGY:—W. V. CONE.

ASSISTANT DEMONSTRATORS:—W. J. BAXTER, R. J. CALDWELL, H. S. N. GREENE, J. B. VAN DER VEER.

CURATOR OF MUSEUMS:—E. L. JUDAH.

REQUIRED COURSES

1. **General Pathology and Pathological Morphology.**
Comprising (1) the philosophical and historic evolution of the conceptions of disease; (2) the general foundations and relations of morbid life in constitution, physical and chemical environment and parastism; (3) pathogenesis and the structural changes incident to it. Two lectures with epidiascope demonstrations a week—Autumn, Winter and Spring Terms.....Professor Oertel.

2. **Laboratory Course in General Pathological Anatomy and Histology,** (including the methods of microscopic technique and diagnosis with practical exercises in the living animal, in fresh and in hardened tissues).
Six hours weekly—Winter and Spring Terms.
Pathological Institute.....Professor Oertel and Demonstrators.

3. **Special Pathology of the Circulatory, Respiratory, Digestive and Renal Systems.**
One lecture with epidiascope demonstrations a week—Autumn, Winter and Spring Terms.....Professor Oertel.

4. **Laboratory Course in Special Pathological Anatomy and Histology.**
One hour a week—Autumn, Winter and Spring Terms.
Pathological Institute.....Professor Waugh and Demonstrators.

5. **Diseases of the Blood-forming Organs.**
One lecture a week—Autumn Term.....Professor Waugh.

6. **Pathological Anatomy of the More Important Ductless Glands.**
One lecture a week—Winter Term.....Dr. Chase.

7. **Pathological Anatomy of the Nervous System.**
One lecture a week—Spring Term.
Dr. Cone (in conjunction with Professor Penfield).

8. **Practical Course of Pathological-Anatomical Methods and Diagnosis.**
Once a week—Autumn, Winter and Spring Terms.

9. **Performance of Autopsies**—Group instruction.
Autumn, Winter and Spring Terms.
Pathological Institute.....Dr. Chase and Demonstrators.
Montreal General Hospital....Professor Rhea and Demonstrators.

10. **Gross and Microscopic Demonstrations and Discussions of specimens Removed at Surgical Operations.**
Once a week—Autumn, Winter and Spring Terms.
Pathological Institute.....Professor Waugh.

11. **Clinico-Pathological Conferences.**
On cases from the medical service of the Royal Victoria Hospital.
Once a week—Autumn, Winter and Spring Terms.
Pathological Institute.....Pathological and Hospital Staffs.

12. **Clinico-Pathological Conferences.**
On cases from the various medical and surgical services of the Montreal General Hospital.
Laboratories of the Montreal General Hospital.
Pathological and Hospital Staffs.

Reference books:—Oertel, "Outlines of Pathology": Virchow, "Cellular Pathology"; Cohnheim, "Lectures on Pathology"; Ziegler, "Specielle Pathologie"; Delafield and Prudden, "Text-book of Pathology"; Wells, "Chemical Pathology."

For advanced courses leading to higher academic degrees or options see the Announcement of the Faculty of Graduate Studies and Research.

BACTERIOLOGY

PROFESSOR:—F. C. HARRISON.
ASSISTANT PROFESSOR:—A. A. BRUÈRE.
LECTURER:—W. W. BEATTIE.

REQUIRED COURSES

1. **General Course**: Lectures and laboratory.
Spring Term. First Year.
Pathological Institute.....Professor Harrison and Assistants.

2. **Special Course.**
Third Year.
Pathological Institute.
Professor Bruère, Dr. Beattie and Demonstrators.

For advanced courses leading to higher academic degrees or options see the Announcement of the Faculty of Graduate Studies and Research.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

PROFESSOR AND DIRECTOR:—A. GRANT FLEMING.

STRATHCONA PROFESSOR OF HYGIENE:—T. A. STARKEY

ASSISTANT PROFESSORS:—R. ST. J. MACDONALD. F. B. JONES.

ASSISTANT PROFESSOR OF MENTAL HYGIENE:—W. T. B. MITCHELL.

LECTURER IN MENTAL HYGIENE:—C. M. HINCKS.

DEMONSTRATOR IN MENTAL HYGIENE:—BARUCH SILVERMAN.

DEMONSTRATOR IN INDUSTRIAL HYGIENE:—R. VANCE WARD.

The instruction in Public Health and Preventive Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine.

In order that the importance of Public Health and Preventive Medicine may be kept before the student, short courses are given in the First and Second Years. These courses are of an introductory nature and from a historical background, develop the needs and opportunities for preventive medicine and its relation to society.

The main course is given in the Third Year, with the exception of the communicable diseases, which come in the Fourth Year.

The Department aims to correlate the teaching of the preventive aspects of medicine with that which is dealt with by other departments in their special field. In addition, those phases of the subject that are not included elsewhere are covered, such as water, milk and food supplies, public health administration, hygiene of the school child, industrial hygiene and mental hygiene.

The course in Mental Hygiene, included in the programme of the Department of Public Health and Preventive Medicine, attempts to give the student an understanding of what is possible and of what is being done in the way of preventing nervous and mental diseases, delinquency and crime, and social failure. This implies a knowledge of what is normal in the way of behaviour responses at the different stages of the individual development; of how we may recognize and deal

with significant deviations from the average response; the factors underlying individual success and failure; the place and the means of introducing mental health principles into home, school, social and industrial situations.

The course includes introductory lectures in the First and Second Years, in an attempt to give the student more complete insight into his own behaviour responses and an objective attitude to the behaviour responses of others. This introductory course is followed up by the formal mental hygiene presentation, covering ten hours, in the Third Year.

The hygiene of the child of school age includes, for consideration, the chief points of a school health service, its scope, and the duties of the School Medical Officer, a post frequently undertaken by the general practitioner.

Industrial Hygiene deals with the application of the principles of preventive medicine to industry. The various factors which influence the health of work people are discussed, and the means which may be taken to supervise their health and safety are considered.

In the Third Year, visits of inspection are made to plants selected to illustrate the general principles of water purification, the modern dairy plant, including pasteurization and industrial hygiene.

A brief course in Applied Public Health Bacteriology is given to familiarize the student with the facilities available, the method of taking specimens, the methods of examination and the interpretation of laboratory reports on water, milk, sputum, nose and throat swabs.

A health study of the student's home town, or some other place acceptable to the Department, is required before the beginning of the Fifth Year. This study requires individual field work by each student.

An optional practical course, more advanced than the above regular course, is open to students wishing to go more fully into the subject.

Text-books and Reference books:—

The General Field:—Parkes and Kenwood; Notter and Firth; Harrington and Richardson; Rosenau; Park; Fitzgerald.

Industrial Hygiene:—The Health of the Industrial Worker, Collis and Greenwood; Industrial Health, Hayhurst, Emery and Kober; Industrial Poisons in the United States, Hamilton.

Mental Hygiene:—The Mental Hygiene of Childhood, White.

School Hygiene:—The Fundamentals of School Health, Kerr.

PHARMACOLOGY

PROFESSOR:—R. L. STEHLE.

ASSISTANT PROFESSOR OF THERAPEUTICS:—D. S. LEWIS.

ASSISTANT PROFESSOR OF PHARMACOLOGY:—N. B. DREYER.

LECTURER IN PHARMACOLOGY:—K. I. MELVILLE.

LECTURER IN THERAPEUTICS:—D. GRANT CAMPBELL.

LECTURER IN ANÆSTHESIA:—WESLEY BOURNE.

LECTURERS IN PHYSIO-THERAPY:—F. W. HARVEY. NORMAN BROWN.

DEMONSTRATOR IN PHARMACOLOGY:—W. DE M. SCRIVER.

DEMONSTRATOR IN PHARMACOLOGY:—J. B. ROSS.

ASSISTANT DEMONSTRATOR:—C. J. TIDMARSH.

REQUIRED COURSES

Second Year

1. **Pharmacology.**—The action of drugs is considered in as exact a fashion as possible from information derived by means of experimental methods and careful clinical observation. A serious attempt is made to familiarize the student with the chemistry of the drugs studied in so far as it is known.

   Three lectures a week during the Spring Term, supplemented by one conference and one demonstration a week.

   Drs. Stehle, Dreyer and Melville.

2. **Pharmacological Laboratory.**—The experiments are chosen to illustrate the lectures of the preceding course.

   Two periods (six hours) a week during the Spring Term.

   Drs. Stehle, Dreyer and Staff.

Fourth Year

3. **Therapeutics.**—The principles of therapeutics and the application of drugs in internal medicine, surgery, and the specialties are covered.

   Two lectures a week during the Autumn Term and one per week during the Winter Term.....Dr. Lewis.

4. **Pharmacy and Prescription Writing.**
Five lectures and five laboratory periods during the Winter Term.
Drs. Scriver and Dreyer.

5. **Physio-therapy.**
Three lectures and three periods of group instruction during the Winter Term.....Drs. Lewis, Brown and Harvey.

Fifth Year

6. **Clinical Therapeutics.**—One ward class per week for one term in conjunction with the Department of Medicine.
Drs. Lewis and Campbell.

Text-books in Pharmacology:—Cushny, Sollmann, Pouisson, Meyer and Gottlieb.

Options

Suitably prepared persons may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

MEDICINE

Professor and Director of the Department:—Jonathan C. Meakins.

Professors:—Campbell Palmer Howard.
W. F. Hamilton.
C. F. Martin.

Associate Professor:—A. H. Gordon.

Assistant Professor of Medical Research:—Maude E. Abbott.

Assistant Professor of Medical Research (Biochemistry):—
C. N. H. Long.

Assistant Professors:—E. H. Mason.
C. A. Peters.
I. M. Rabinowitch.

Lecturers:—J. G. Browne, D. G. Campbell, J. Kaufmann,
D. S. Lewis, A. H. MacCordick,
C. F. Moffatt.

Lecturer (Tuberculosis):—J. R. Byers.

DEMONSTRATORS:—C. C. BIRCHARD, C. R. BOURNE, G. R. BROW, KEITH GORDON, R. H. M. HARDISTY, A. T. HENDERSON, C. R. JOYCE, D. C. MACCALLUM, H. E. MACDERMOT, J. F. MACIVER, D. W. MCKECHNIE, J. L. D. MASON, D. L. MENDEL, E. S. MILLS, LORNE MONTGOMERY, E. V. MURPHY, E. E. ROBBINS, W. DE M. SCRIVER COLIN SUTHERLAND, J. J. WALKER. J. C. WICKHAM.

ASSISTANT DEMONSTRATORS:—W. W. ALEXANDER, H. F. EBERTS, W. C. GOWDEY, H. N. SEGALL, C. J. TIDMARSH.

RESEARCH FELLOW:—R. V. CHRISTIE.

The object of this course is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy and bio-chemistry with clinical medicine is emphasized—not only in the pre-clinical years but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded by the establishment of a modern medical clinic at the Royal Victoria Hospital. In this institution and at the Montreal General Hospital there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

Students must have followed up at least ten cases from their inception to a conclusion and be certified therefor.

REQUIRED COURSES

Sixth to Ninth Terms (2nd and 3rd years).

1. A course of lectures on the general principles of medicine, emphasizing and correlating the study of Anatomy, Physiology and Biochemistry in the signs and symptoms of disease.

Three hours a week—Spring, Autumn and Winter Terms.
Professors Meakins, Rabinowitch and Mason.

2. A course of clinical lectures twice weekly is given to demonstrate the application of the principles, as set forth in the course of lectures mentioned above.

Professors Meakins, Rabinowitch and Mason.

3. A course of practical instruction on physical examination and physical diagnosis. This course is given in the Wards and Out-patient Department of the Royal Victoria Hospital.

Professor Meakins and Assistants.

4. During the eighth and ninth terms, a limited number of cases are allotted to each student in the wards for introductory instruction in case-reporting and general examination of patients. This is supplemented by bedside clinics.

5. A course in clinical microscopy of forty periods is given in the laboratories of the Pathological Institute.

Four hours a week—Autumn and Winter Terms.
Dr. Kaufmann and Assistants.

Text and Reference books:—McLeod, "Physiology and Biochemistry in Modern Medicine"; Lewis, "Clinical Electrocardiography" and "Clinical Disorders of the Heart"; Meakins and Davies, "Respiratory Function in Disease"; Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Cabot, "Physical Diagnosis"; Thompson, "Elements of Surface Anatomy"; Lusk, "Science of Nutrition"; Krehl, "Basis of Clinical Symptoms."

Tenth, Eleventh and Twelfth Terms (4th Year).

6. A course of lectures throughout the session on the "Principles and Practice of Medicine," with collateral reading assigned on various topics. Professor J. C. Meakins and Assistants.

7. A course of theatre clinics at the Montreal General Hospital at which cases of unusual interest are presented.

Professor Gordon and Staff.

8. A course of bedside clinics to small groups at the Montreal General Hospital. Professor Gordon and Assistants.

9. A course at the Out-patient Department of Medicine and Pediatrics of the Montreal General Hospital, in small groups, where the student will act as a clinical clerk, taking routine histories, making a complete physical examination and performing some of the simpler laboratory tests. At the end of each period the interesting cases will be presented to the entire group by the physician in charge.

10. A course of clinical-pathological conferences for the entire class will be held once a week at the Pathological Laboratory of the Montreal General Hospital.

Professors Rhea, Howard, Gordon and Assistants.

11. Cases in the Medical Wards of the Montreal General Hospital are assigned to each member of the class for reporting. It is obligatory that each student shall present satisfactory case reports on at least ten patients during this course.

Text and Reference books:—Osler's "Practice of Medicine"; Taylor's "Practice of Medicine"; Nelson's "Loose-Leaf System of Medicine"; Oxford, "Loose-Leaf System of Medicine"; Dieulafoy, "The Text-book of Medicine"; Strumpell, "Text-book of Medicine for Students and Practitioners"; McKenzie, "Diseases of the Heart"; Purves Stewart, "Diagnosis of Nervous Diseases"; Bassler, "Diseases of the Stomach and Intestines"; Pharneo, "Teaching Hospitals."

Twelfth-Fifteenth Terms (5th Year).

Hospital year. Each student becomes virtually a member of the externe staff.

He is allotted in turn to various services of the hospital in the capacity of clinical clerk, participating in the keeping of records, the diagnosis and treatment of patients in wards and out-patient departments and in the laboratory duties. He will accompany the physicians in their daily rounds, attend autopsies and report on them to his teachers.

Regular theatre clinics are given only in the major subjects.

With the present limitation of students it becomes possible to give the student a closer familiarity than hitherto with practical scientific medicine and its allied subjects of neurology, psychiatry and pediatrics.

PEDIATRICS

CLINICAL PROFESSOR:—H. B. CUSHING.

LECTURERS:—
- A. B. CHANDLER.
- A. GOLDBLOOM.
- L. LINDSAY.
- S. GRAHAM ROSS.
- R. R. STRUTHERS.
- H. P. WRIGHT.

DEMONSTRATORS:—
- W. E. ENRIGHT.
- JESSIE BOYD SCRIVER.
- R. C. STEWART.
- W. E. WILLIAMS.

Instruction is given in all the clinical years. Emphasis is laid on the relation of pediatrics to public health and community problems in medicine.

Seventh to Ninth Terms (3rd Year).

1. A series of clinical demonstrations to groups of students on the methods of physical examination of infants and children at the Royal Victoria Hospital, extending over a period of two weeks.

Professor Cushing and Assistants.

2. A series of demonstrations to groups of students on the manifestations of disease in children.

Winter and Spring Terms.

Royal Victoria Hospital.....Professor Cushing and Assistants.

3. During the Autumn and Winter terms of this year, a limited number of cases are allotted to each student in the Pediatric Ward for introductory instruction in case-reporting and general examination of patients.

Tenth to Twelfth Terms (4th Year).

4. A course of lectures dealing with the peculiarities and development of children, the principles and theory of infant-feeding, the diseases peculiar to children and the differences in the manifestation and treatment of ordinary diseases of adults and children.

Thirty lectures.

Medical Building.....Professor Cushing and Assistants.

5. A series of clinics throughout the year, illustrating the lectures and demonstrating the ordinary diseases of childhood.

Children's Memorial Hospital....Doctors Lindsay and Goldbloom.

6. A series of demonstrations to groups, in Out-patient Department and Children's Ward, on the examination, diagnosis and treatment of sick children.

Montreal General Hospital.....Dr. Chandler and Assistants.

7. A series of demonstrations to groups of students each week on the ordinary acute infectious diseases.

Alexandra Hospital.

Professor Cushing, Doctors D. Grant Campbell and E. V. Murphy.

Thirteenth to Fifteenth Terms (5th Year).

8. Students act as assistants to the internes, report cases, attend ward rounds and Out-patient pediatric clinics in the various hospitals, supervised by the attending staffs of the hospitals.

9. A series of practical clinics to groups of students on infant feeding and the care and development of young infants.

Montreal Foundling Hospital.

Doctors Lindsay, Goldbloom and H. P. Wright.

10. A series of theatre clinics on the principal diseases of infancy and childhood.

Montreal General Hospital. .....Dr. Chandler.

Royal Victoria Hospital.....Dr. Ross.

11. A series of clinics to groups on the acute infectious diseases.

Alexandra Hospital.....Doctors Cushing, Campbell and Murphy.

12. A series of demonstrations to groups on prematurity, diseases of the newborn and the care and feeding of the newborn.

Montreal Maternity Hospital.

Doctors S. Graham Ross and R. R. Struthers.

13. A series of demonstrations in the various health centres and post-natal clinics on the care and feeding of normal children and the various phases of undevelopment—by the attending staff of these clinics.

Text-books:—Holt and Howland; Dennet; Feer, Still; Porter and Carter; Morse and Talbot; Alan Brown.

NEUROLOGY

CLINICAL PROFESSORS:—{ C. K. RUSSEL. / F. H. MACKAY.

LECTURER IN NEUROLOGY:—A. W. YOUNG.

DEMONSTRATORS:—{ N. VINER. / J. N. PETERSEN.

A course on Applied Anatomy of the Nervous System is given in the earlier years of study, and students of the First and Second Years are introduced, wherever possible, to neurological patients who illustrate the anatomy and physiology of the nervous system.

1. In the Third Year a series of demonstrations is given on clinical methods of examining the nervous system, and some of the commoner diseases are studied. Professor Russel and Assistants.

2. Clinical lectures and demonstrations on neurology are given in the Fourth and Fifth Years of the course in the wards and medical theatre of the Montreal General and the Royal Victoria Hospitals.

Professors Russel and Mackay and Assistants.

A series of demonstrations on Neuro-pathology is given in the laboratory.

PSYCHIATRY

CLINICAL PROFESSOR:—C. A. PORTEOUS.
ASSISTANT PROFESSOR:—DAVID SLIGHT.
DEMONSTRATOR:—A. G. MORPHY.
ASSISTANT DEMONSTRATOR:—E. C. MENZIES.

Instruction will be given in the Fourth and Fifth Year.

REQUIRED COURSES

Tenth and Twelfth Terms.

1. A course of didactic lectures with clinical demonstrations of the commoner psychopathic conditions.

Medical Building.....Professor Slight.

Thirteenth and Fourteenth Terms (5th Year).

2. Clinical instruction in groups is given at the Psychiatric Clinic at the Royal Victoria Hospital, which furnishes examples of the various psychoses, the border line cases, and enables the student to become familiar with forms of mental defect, delinquency and allied conditions. The Clinic deals, moreover, with patients sent for investigation from the charitable agencies of the city and co-operation with the work of the Canadian National Committee for Mental Hygiene.

Professor Slight and Assistants.

3. Practical instruction.

Protestant Hospital for the Insane.

Professors Porteous and Slight.

In all group instruction the student is taught methods of testing psychopathic cases, and of making detailed diagnoses, while the general and occupational therapy, etc., of such cases is dealt with in detail in the hospital services.

Text-books:—"Outlines of Psychiatry," White; "Clinical Psychiatry," Kraeplin; "Psychiatric Neurological Examination Methods," Wimmes Hoisholt; "Diseases of the Nervous System," Jeliffe and White (1923 Ed.).

DERMATOLOGY

LECTURERS:—P. BURNETT. J. F. BURGESS.

DEMONSTRATORS:—C. R. BOURNE. L. P. EREAUX.

The course is entirely clinical, consisting of a weekly theatre clinic at the Montreal General Hospital, on specially selected cases, and out-door clinics, weekly, by Dr. J. F. Burgess at the Montreal General Hospital, and Dr. Philip Burnett at the Royal Victoria Hospital, throughout the session. Lantern slides are used to illustrate the course; also a large series of coloured plates and photographs.

Text-books:—Stellwagon, Walker's Introduction to Dermatology, Hartzell, McLeod, Darier, Campbell, Shamberg, Sutton.

HISTORY OF MEDICINE

PROFESSOR:—SIR ANDREW MACPHAIL.

A course of fifteen lectures will be given upon the History of Medicine to inform undergraduates in the Faculty upon the progress of the science. It is the intention to examine the causes which produced the varying conceptions of medicine in times past, rather than burden the student with a narration of facts and a recital of biographies.

SURGERY

PROFESSOR AND DIRECTOR OF THE DEPARTMENT:—

E. W. ARCHIBALD.

PROFESSORS:—A. T. BAZIN. E. M. EBERTS.

ASSISTANT PROFESSORS:—W. L. BARLOW, C. B. KEENAN, C. K. P. HENRY.

CLINICAL PROFESSOR OF NEUROLOGICAL SURGERY:—W. G. PENFIELD.

ASSISTANT PROFESSOR OF NEUROLOGICAL SURGERY:—W. V. CONE.

LECTURERS:—F. B. GURD, F. E. MCKENTY, F. A. C. SCRIMGER, F. J. TEES.

LECTURER IN ANÆSTHESIA:—W. B. HOWELL.

DEMONSTRATORS:—JOHN ARMOUR, E. B. CHANDLER, GUY JOHNSON, R. R. FITZGERALD, L. H. MCKIM, R. B. MALCOLM, A. STEWART.

DEMONSTRATORS IN ANÆSTHESIA:—J. W. ARMSTRONG. C. C. STEWART.

ASSISTANT DEMONSTRATORS:—HOWARD DAWSON, H. M. ELDER, G. A. FLEET, MARK KAUFMANN, B. F. MACNAUGHTON, G. GAVIN MILLER, ALBERT ROSS, DUDLEY ROSS, P. G. SILVER.

To obtain greater uniformity and a better perspective, the department of Surgery and Clinical Surgery has been placed under one head, who has been given control of the teaching in the wards and out-patient departments of the two large hospitals.

Montreal, situated at the head of ocean navigation, and a large railroad and industrial centre, is noted for the extensive amount and varied character of its clinical material. Indeed the teaching in surgery is mainly clinical and practical. In the Montreal General and Royal Victoria Hospitals there are between five and six hundred beds and also large out-patient departments.

REQUIRED COURSES

Seventh to Ninth Terms (3rd Year).

1. **Didactic Lectures Upon the General Principles of Surgery.** Fifteen lectures upon the general principles of surgery are given during the Autumn and Winter Terms. Medical Building.

2. **Clinical Instruction.** All the clinical instruction is given at the Royal Victoria Hospital, except on Saturday forenoon, when a fracture clinic is given at the Montreal General Hospital.

   Royal Victoria Hospital. Students are instructed both in the Out-door Department and the Wards. They are brought into immediate contact with the patient, and taught to take a correct history, to differentiate the abnormal from the normal, to apply their knowledge of anatomy, to make an examination, to dress wounds, apply splints, and to reduce the simpler fractures and dislocations. In this year every effort is made to teach the principles of the art and science of surgery, and to train the student in habits of observation.

Fractures. On each Saturday forenoon throughout the Winter and Spring Terms a special course of lecture demonstrations on fractures, taking up the general principles and illustrating these by cases, will be given at the Montreal General Hospital. The follow-up Out-door clinic for fractures will also be utilized to demonstrate and teach the use of ambulant apparatus and the methods of restoring function.

3. **Surgical Pathology.** During the first few weeks of the session there will be given a short practical course in Surgical Pathology of an introductory character, which will take up the fundamentals of inflammation, wound repair, and tumours. This will be very largely a laboratory demonstration course, and is designed to give the student at the outset of his clinical education a view of the pathological basis of the commoner diseases and injuries such as he will see first in his subsequent hospital service.

Tenth to Twelfth Terms (4th Year).

4. **Didactic Lectures Upon Regional Surgery.** During this year a series of thirty lectures will be given upon the main types of disease and injury. Medical Building.

5. **Clinical Instruction.** The clinical instruction in this year is given entirely in the Montreal General Hospital, except for alternate Wednesday forenoons, when the students are given a theatre clinic at the Royal Victoria Hospital. Students attend surgical clinics in the amphitheatre of the hospital three days in the week. They also attend the wards of the hospital in groups.

(a) Case Reporting in the Wards. Cases are assigned to students, who are required to examine the patient carefully, record the conditions found, arrive at a tentative diagnosis, outline the treatment indicated, assist at operations, and follow the case to conclusion.

(b) Surgical Amphitheatre Clinics. These are held three times a week, of which two clinics are given regularly at the Montreal General Hospital, while the third (Wednesday forenoon) is held alternately at this hospital and at the Royal Victoria Hospital throughout the session.

(c) Out-patient Department. Demonstration clinics on selected cases from the general surgical clinic are given twice weekly.

(d) Ward Classes. A teacher of mature experience and of professorial rank teaches students in the wards and instructs them in groups.

Thirteenth to Fifteenth Terms (5th Year).

The fifth is a purely hospital year. The student in his surgical term acts, for all practical purposes, as an externe, at whichever hospital he is attending. During the ten weeks of his term he devotes practically his entire time to the study of surgery.

(a) Theatre Clinics. One amphitheatre clinic is given alternately in the Royal Victoria Hospital and the Montreal General Hospital once a week throughout the session.

(b) Ward Classes. The students, in groups of not more than ten men, are taught at the bedside four hours a week.

(c) Case Reporting in the Wards. The student is responsible for the case reports of the patients allotted to him, which he is to write, with the help and under the control of the house surgeons, as well as of the chiefs of service. He must do his own laboratory work under the direction of a supervisor; he is to be present at the operations on his own cases, wash up, and assist; he must write the progress notes after operation, copy the pathological reports, and attend eventual autopsies, the principle being that he is to follow his case closely from beginning to end. During the term he is allotted on an average from twenty to twenty-five cases.

Students in this Year are required to do a good deal of collateral reading and to make themselves familiar with the anatomy, pathology and physiology of the injury or disease and of the region implicated.

6. Anæsthesia.

Didactic lectures and laboratory demonstrations on anæsthesia are given by the Department of Pharmacology and Therapeutics to the Third Year, and practical instruction in the administration of anæsthetics is given in the hospitals to students of the Fourth and Fifth Years. Every student is obliged to furnish a certificate of having given at least six anæsthetics under supervision.

7. X-Ray Course.

During the trimester of ten weeks a series of ten lecture-demonstrations is given, chiefly upon interpretation of roentgenograms.

8. Surgical Anatomy.

During the Fourth Year a series of ten lecture-demonstrations will be given upon the more important applications of anatomy to surgery.

Text-books:—

1. *General Surgery:* Choyce, C. C., "A System of Surgery"; Thomson and Miles, "Manual of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery."

2. *Emergency Surgery:* Sluss, John W., "Manual of Emergency Surgery."

3. *Surgical Anatomy:* Treves' "Surgical Applied Anatomy."

4. *Fractures:* Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations."

5. *Case Reporting:* White, J. Renfrew, "The Clinical Examination of Surgical Cases"; Ryerson, "Process of Diagnosis."

UROLOGY

CLINICAL PROFESSORS:—D. W. MACKENZIE. F. S. PATCH.

LECTURER:—R. E. POWELL.

DEMONSTRATOR:—M. SENG.

Students attend this department in the Royal Victoria and Montreal General Hospitals, for instruction in the methods of diagnosis and treatment of surgical diseases of the urinary and male genital organs and syphilis.

During the Fourth Year they are given a course of ten lectures on the elements of the subject in the University.

During the Final Year they receive clinical instruction on groups of cases presented for differential diagnosis, and they are required to discuss these cases and outline the treatment indicated. The teaching is carried out in the wards, the amphitheatre, and the G. U. Outdoor.

Opportunity is thus afforded for the complete study of a considerable number of cases.

Text-books:—Keyes' Urology.

Collateral Reading:—Thomson Walker's Genito-Urinary Surgery.

ORTHOPÆDIC SURGERY

CLINICAL PROFESSORS:—W. G. TURNER. J. A. NUTTER.

LECTURER:—W. J. PATTERSON.

DEMONSTRATOR:—N. T. WILLIAMSON.

During the Fourth Year a series of ten didactic lectures is given upon the principles and the more important orthopædic conditions.

Instruction in diseases and injuries of the bones, joints, muscles and the surgery of deformities, both congenital and acquired, is given to the students of the Fifth Year in groups of ten to twelve in the Children's Memorial Hospital, the Royal Victoria and the Montreal General Hospitals.

Each student attends clinics in Orthopædic Surgery at one of these hospitals for ten consecutive weeks.

The demonstrations given are essentially practical. Every student is expected to write histories of, to make the diagnosis for, and to prescribe the treatment for, a definite number of patients.

In the Montreal General and the Royal Victoria Hospitals there are large clinics for both adults and children suffering from orthopædic affections.

In the Children's Memorial Hospital there is a great wealth of clinical material consisting of children who are suffering from the surgical diseases of infancy and childhood.

Text-books:—Whitman's Orthopedic Surgery; Fraser on Tuberculosis of Bones and Joints of Children; Tubby and Jones on Surgery of Paralysis; Jones, Orthopedic Surgery of Injuries; Jones and Lovett, Orthopedic Surgery.

OBSTETRICS AND GYNÆCOLOGY

PROFESSOR AND CHAIRMAN:—J. R. FRASER.

PROFESSOR:—H. M. LITTLE.

CLINICAL PROFESSORS:—H. C. BURGESS. J. W. DUNCAN. J. R. GOODALL.

LECTURER:—W. A. G. BAULD.

DEMONSTRATORS:—A. D. CAMPBELL. DOUGLAS GURD. G. C. MELHADO. IVAN PATRICK. ELEANOR PERCIVAL.

CLARA LAW FELLOW AND DEMONSTRATOR:—P. J. KEARNS.

Ninth Term (3rd Year).

1. A course of forty lectures on the fundamental principles of the subject, illustrated by diagrams, models and fresh and preserved specimens.

Four times a week—Spring Term.....Professor Fraser.

Obstetrics

Tenth to Twelfth Terms (4th Year).

2. Clinical instruction will be given during the year in the Royal Victoria Montreal Maternity Pavilion, and will include ante-natal care in the Out-patient Department and the conduct of labour and the puerperium in the case-room and wards of the Hospital.

Twelve hours a week during one term.

Fifth Year.

3. Rooms are provided in the New Pavilion, where the students may reside, in groups of six, for a period of twelve to fourteen days. During his period of "interneship" the student will be expected to attend his out-door cases, and, under supervision, to deliver these women in their own homes.

Text-books:—Whitridge Williams; De Lee; Jellett & Madill—Ten Teachers.

Gynæcology

4. Theatre Clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals. Professor Fraser and Staff.

5. Practical instruction to small groups of students in the out-patient departments of the Royal Victoria and Montreal General Hospitals.

Text-books:—Hart and Barbour; Blair Bell; Dudley Hurst; Gilliam; Anspach; Crossen.

OPHTHALMOLOGY

PROFESSOR:—W. GORDON M. BYERS.

CLINICAL PROFESSOR::—
- G. H. MATHEWSON.
- S. H. MCKEE.
- F. T. TOOKE.

DEMONSTRATORS:—
- A. G. MCAULEY.
- J. A. MACMILLAN.

ASSISTANT DEMONSTRATORS:—
- A. BRAMLEY-MOORE.
- S. O. MCMURTRY.
- STUART RAMSEY.
- J. ROSENBAUM.

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courss:—

Ninth Term (3rd Year).

1. **Routine examination of the eye.**

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.

Professor Byers, with Drs. Tooke and McKee and members of the Staff.

Tenth to Twelfth Terms (4th Year).

2. **Lecture demonstrations.**

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential concepts for the clinical work of the Fifth Year.

Ten hours.....Professor Byers.

Thirteenth to Fifteenth Terms (5th Year).

3. **Clinical Ophthalmology.**

In the Final Year, the entire available time is devoted to an intensive study of the ocular problems that are of greatest moment in general practice—the external diseases of the eye, and the main ophthalmoscopic findings in systemic disorders and affections of the nervous system; with practical lessons in ophthalmic nursing and first aid. This work is conducted in the ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals.

Professors Byers and Mathewson and Staff.

Text-books:—Parsons, May, Swanzy, De Schweinitz, Fuchs.

OTO-LARYNGOLOGY

PROFESSOR:—H. S. BIRKETT.

LECTURER:—HAMILTON WHITE.

DEMONSTRATORS:—D. H. BALLON. G. E. HODGE. J. T. ROGERS.

ASSISTANT DEMONSTRATORS:—K. O. HUTCHISON. A. E. LUNDON. W. J. MCNALLY. J. E. TREMBLE. B. F. MACNAUGHTON.

The course of instruction in Oto-Laryngology is carried on in the wards and out-patient departments of both the Montreal General and the Royal Victoria Hospitals, where, owing to the large clinics, the students are afforded ample opportunity of receiving practical instruction in these subjects. In these two hospitals there are about fifty beds set apart for this specialty.

The courses are designed to afford the student the opportunity of acquiring the oto-laryngological knowledge required by every general practitioner. The practical work is conducted in small groups, so that the personal instruction and supervision, so essential in this subject, are given to each student.

Tenth to Twelfth Terms (4th Year.

1. **Introductory Course.**

Group instruction in:—(a) The normal anatomy of the ear, nose and throat, as exemplified in moist dissections, dried specimens, models, stereoscopic plates and radiograms of normal conditions of the accessory sinuses of the nose and mastoid process; (b) the method of using the various instruments for examining the ear, nose and throat; (c) the usual tests for hearing; (d) the recognition of normal conditions of these special organs, as exemplified by clinical material. Professor Birkett and Staff.

2. **Lecture Course.**

Ten lectures upon the more common pathological conditions of the ear, nose and throat met with in general practice.

Professor Birkett.

Thirteenth to Fifteenth Terms (5th Year).

3. **Clinical Oto-Laryngology.**

A course of clinical instruction in the out-patient departments and wards of the hospitals. Professor Birkett and Staff.

Text-books:—Chevalier Jackson and Coates; St. Clair Thomson; A. Logan Turner; H. Tilley; Kerrison; Phillips; Barnhill.

GRADUATE INSTRUCTION

1. Any graduate who so desires may attend any of the regular courses given to students of the Final Year. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.

2. **Special graduate work** is offered in every department, both in the laboratories and in the clinics, at any period during the year, provided the graduate is willing to assign himself for serious work to one service. Application for this privilege should be made to the Dean or to the Head of the Department in which the graduate desires to occupy himself.

Vide under heading of "Departments of Physiology, Pathology, Anatomy, Hygiene, etc."

3. **Course for Diploma of Public Health**: This course is specially designed as a thorough training for medical men undertaking the duties of a Medical Officer of Health.

The duration of the course is at least eight months (October 1st to May 31st).

The curriculum is as follows:—

(a) A course of lectures dealing in a comprehensive manner with the general principles of public health and preventive medicine.

(b) Bacteriology—a full practical course in general bacteriology, with special application to public health.

(c) (1) *Sanitary Chemistry*. Examination of air, water and water supplies in general, the commoner foods and beverages, sewage and sewage effluents, etc.; chemical investigations conected with trades and occupations; (2) *Physics*. General principles only in their application to hygiene.

(d) Practical public health work. An extended course under a M.O.H., affording facilities for instruction in public health relating to housing, factories, work-shops and industrial establishments, schools, waterworks, sewage plants, refuse distribution, abattoirs, dairies and milk stations, welfare centres, etc., etc.

(e) Public health legislation and administration. Statutes and by-laws relating to public health and the powers of health authorities; administration of the office of a Medical Officer of Health.

(f) Vital statistics. Calculation and tabulations of returns of births, marriages and deaths and diseases.

(g) Meteorology and climatology; geographical and topographical distribution of disease.

Candidates for this diploma may claim exemption in any of the above subjects on presentation of adequate certificates.

Qualification for the diploma includes a knowledge of communicable diseases, of child hygiene and mental hygiene, the use of meteorological, hygienic and sanitary apparatus.

The successful candidate must further know the appearance of healthy and diseased tissues of animals, and their microscopic examination.

Finally, he must show a capacity to formulate a report on public health conditions in an actual locality and make annual and other reports as required by Officers of Health.

These examinations are written, oral and practical.

The fee for the course, including the diploma, is $100.00.

4. Special Courses. Graduates desiring instruction in any special branch of Public Health and Preventive Medicine, such as School Health Services and Industrial Hygiene, should apply to the Department. Courses will be arranged suitable for the applicants, in order that they may receive full benefit from the time devoted to the course.

CLINICAL INSTRUCTION

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and geographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.

Montreal General Hospital.

Children's Memorial Hospital.

Foundling Hospital.

Alexandra Hospital for Infectious Diseases.

Protestant Hospital for the Insane.

Royal Edward Institute for Tuberculosis.

The Maternity Hospital, from the teaching standpoint, is under the control of the University.

BUILDINGS

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over $600,000, contains the Offices of Administration, the Medical Library (with its 38,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Histology, Hygiene, Pharmacy, and the magnificent Museum of Anatomy. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department.

The Department of Histology and Embryology, too, has excellent facilities, with laboratory space for 120 students, and smaller laboratories for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over $500,000, this edifice was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184′ x 60′—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This Building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology, Bacteriology and Medical Jurisprudence, and includes a Pathological Museum and museum workshops. It combines under one roof, quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. From the latter it draws chiefly its material. It was constructed at a cost of $460,000; is of Montreal lime stone; its main front is 242 feet long; the north end is 77 feet wide and the south end 60 feet. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

HOSPITALS

The Medical School is closely affiliated with a group of active general and special hospitals, the staffs of which are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 2,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 322

public beds. During 1928 it cared for 9,985 cases, while in its outdoor department 66,812 cases were treated. Many new additions have been made to the Hospital. A modern University Medical Clinic was established in 1924.

There were 288 post-mortems during 1928.

The number of resident physicians is 34.

The Royal Victoria-Montreal Maternity Pavilion, with 200 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 100 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. During the year 1928 the obstetrical service cared for 2,259 cases, with 2,075 confinements in the Hospital and 350 in the Out-patient Department, a total of 2,425. In the gynæcological section, 1,359 cases were admitted during the year.

There are 10 resident physicians.

The Montreal General Hospital is a general hospital for the treatment of acute diseases and contains 301 public beds. In 1928 there were 7,485 admissions to its wards. The large, reconstructed out-patient department, probably the finest in this country, treated last year 125,025 patients. Many modern additions to the original buildings have been made, and a large biochemical laboratory has been finished and completely equipped.

There were 444 post-mortems during the year.

The number of resident physicians is 40.

The Dental Clinic of the University, completed in 1921, has 50 dental chairs, and a hospital dental clinic unequalled anywhere.

The Western Division of the Montreal General Hospital—The Western General Hospital. A hospital for the treatment of acute diseases, with 59 public beds. It is hoped that this hospital will soon afford additional opportunities for teaching. The post-mortem and surgical material is now being used for teaching. During the year 1928 there were 1,926 admissions to the wards and 40,232 patients were treated in the out-patient department.

There were 38 autopsies during the year.

The number of resident physicians is 7.

The Children's Memorial Hospital has 115 public beds, and, in 1928, admitted 1,009 patients. The attendance at its out-door department

totalled 11,816 patients. This hospital, while primarily for orthopædic cases, now admits all varieties of patients, and enables the student to get a broad conception of pediatrics. Of special interest are the Departments of Remedial Gymnastics, the Open-air Pavilion, and the well-equipped out-patient service.

There were 59 autopsies during the year.

The number of resident physicians is 6.

A summer course, lasting four weeks, has for several years enabled students and practitioners to become acquainted with many of the most important phases of modern pediatrics.

The Montreal Foundling and Baby Hospital affords a large amount of clinical material for students, and gives special facilities for the consideration of infant feeding. There are 75 beds. In connection with this institution, there is a largely-attended Baby Welfare Clinic for mothers seeking advice as to the care of the normal child, and of themselves.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 170 beds, and, in 1928, 1,411 patients were admitted to the hospital. There were 30 autopsies.

The number of resident physicians is 4.

The Protestant Hospital for the Insane at Verdun has 630 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of psychiatry with the teachers. Occupational therapy is emphasized.

The Royal Edward Institute—a dispensary for tuberculosis —offers adequate material for teaching students, in groups, the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

HONORARY LIBRARIAN:—DR. C. F. WYLDE.

ASSISTANTS: MISS EDITH ASHWORTH
MISS PAULINE M. CARRIERE
MISS C. DAVIDSON, B.A.
MISS EDITH R. GORDON
MISS BEATRICE V. SIMON

"The history of the Library is the history of the Faculty."
Professor Hall.

The Library occupies the central part of the Medical Building, the whole front of the second and third floors, as well as a portion of the first floor. On the third floor is the magnificent reading room, 76 x 24 feet, exceptionally well lighted, and capable of accommodating seventy-five readers. On this floor also are the journal room and private office. The second floor contains the stack room, the book stacks at present containing about 45,000 volumes, and having a total capacity of sixty thousand volumes; also three study rooms. On the first floor are the cataloguing rooms, offices and pamphlet room.

A special feature of the Library is the journal collection, and every effort is being made to complete this section as far as possible, and thus to increase the value of the reference department of the Library. Through the generosity of interested friends there is also a valuable collection of approximately one thousand volumes of early works on the History of Medicine, dating from the fifteenth century. These can be consulted at the Library.

A complete journal collection is listed in the Catalogue of Scientific Periodicals in Canadian Libraries, and also in the Union List of Serials, published by the W. H. Wilson Company.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other colleges showing proper credentials, and registered nurses. It is felt that graduates living at a distance are not aware of the fact that books may be borrowed from the Library on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during term from 9 a.m. to 9.30 p.m., except Saturdays, when it is closed at 5 p.m. After June 1st it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

LIBRARIAN:—W. W. FRANCIS.

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises about 7,600 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very useful lines, the catalogue has been completed, indexed, and printed since his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 875 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 136 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers; and the books may not be borrowed or removed from the Library.

MEDICAL SOCIETIES

1. THE McGILL MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

(1) To transact all matters of business connected with the undergraduate body.

(2) To stimulate interest along medical lines.

(3) To assist students to express themselves in public with facility.

(4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers, are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly

interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Fourth and Fifth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

McGILL UNIVERSITY
MONTREAL



ANNOUNCEMENT

OF THE

FACULTY *of* MEDICINE

FOR THE SESSION 1931-32

LIBRARY
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MONTREAL



ANNOUNCEMENT

OF THE

FACULTY *of* MEDICINE

FOR THE SESSION 1931-32

ONE HUNDREDTH SESSION

Printed in Canada for the University by Gazette Printing Company Limited, Montreal

TABLE OF CONTENTS

	Page
Administrative Officers	5
Admission to Medicine	27
Anatomy	44
Assistant and Clinical Professors	9
Bacteriology	54
Biochemistry	49
Board and Lodging	33
Buildings	75
Calendar	6
Cost of Course	33
Course for the Degree of M.D., C.M.	34
Courses of Lectures	44
Demonstrators	13
Dermatology	61
Diploma of Public Health	55
Dominion Registration	42
Embryology	45
Emeritus Professors	7
Entrance Requirements	27
Examinations	35
Expenses	33
Faculty, Members of	7
Fees	30
Fellowships	38
Grading	37
Graduate and Advanced Courses	73
Gynæcology	69
Histology	45
Historical Summary	18
History of Medicine	64
Hospitals	76
Hygiene	55, 73
Lecturers	11
Library	79

CONTENTS—Continued

	Page
Medals	38
Medical Societies	81
Medicine	60
Members of Faculty since its origin	21
Microscopes, Purchase of	32
Neurology and Neurosurgery	65
Obstetrics	69
Officers of Faculty since its origin	21
Officers of Instruction	7
Ophthalmology	70
Orthopædic Surgery	66
Osler Library	80
Oto-Laryngology	71
Pathological Chemistry	49
Pathology	50
Pediatrics	61
Pharmacology	58
Physical Examination	29
Physiology	46
Preventive Medicine	55
Prizes	38
Professors	7
Promotion	36
Psychiatry	61
Psychology	48
Public Health	55
Reciprocity with Great Britain	43
Registration	28
Requirements for Degree of M.D., C.M	41
Requirements for License	42
Scholarships	38
Surgery	65
Urology	66
Vaccination	29

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CALENDAR OF THE FACULTY OF MEDICINE FOR THE SESSION 1931-32

1931

Monday,	Sept. 7th	Autumn Examinations begin.
Wednesday,	" 9th	Register opens for students in Medicine.
Wednesday,	" 16th	Autumn Term begins.
Tuesday,	Oct. 6th	Founder's Day. Convocation for conferring Degrees. Opening address for the session. Register closes for the session.
Friday,	" 9th	Sports Day. No lectures.
Monday,	Nov. 9th	Thanksgiving Day. No lectures.
Tuesday,	" 24th	Autumn Term ends.
Wednesday,	" 25th	Winter Term begins.
Friday,	Dec. 18th	Last day of lectures before Christmas.

1932

Monday,	Jan. 4th	Lectures resumed.
Wednesday,	Feb. 10th	Ash Wednesday. No lectures.
Tuesday,	" 16th	Winter term ends.
Thursday,	" 18th	Spring Term begins.
Friday,	Mar. 25th	Good Friday. No lectures.
Saturday,	" 26th	No lectures.
Monday,	" 28th	No lectures.
Wednesday,	Apr. 27th	Spring Term ends.
Thursday,	May 26th	Convocation for Conferring Degrees.

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Katharine M. Banham Bridges, B.Sc. (Manchester), M.A. (Tor.).
Assistant Professor of Abnormal Psychology. Medical Bldg.

C. N. H. Long, M.Sc. (Manchester), M.D., C.M.
Assistant Professor of Medical Research (Biochemistry). 218 Redfern Ave., Westmount.

W. V. Cone, B.Sc., M.D.
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4435 Sherbrooke St., Westmount.

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PHILIP BURNETT, D.S.O., M.D., C.M., M.R.C.S.
Clinical Professor of Dermatology. No. 3, The Linton Apartments.

J. F. BURGESS, M.B.
Clinical Professor of Dermatology. 604 Medical Arts Bldg.

LECTURERS

W. M. FISK, M.D., C.M.
Lecturer in Histology. 506 Pine Ave. W.

W. B. HOWELL, M.D., C.M., L.R.C.S., L.R.C.P. (Edin.).
Lecturer in Anæsthesia. 1610 Sherbrooke St. West.

F. B. GURD, B.A., M.D., C.M.
Lecturer in Surgery. 1538 Sherbrooke St. West.

J. KAUFMANN, M.D., C.M.
Lecturer in Medicine. 1476 Crescent Street.

H. E. MACDERMOT, M.D., C.M.
Lecturer in Anatomy and Demonstrator in Medicine.
Medical Arts Building.

F. J. TEES, M.C., B.A., M.D., C.M.
Lecturer in Surgery. 101 Medical Arts Building.

C. F. WYLDE, C.B., M.D., C.M.
Honorary Medical Librarian. 1461 Crescent Street.

C. F. MOFFATT, B.A., M.D., C.M.
Lecturer in Medicine. 1455 Crescent Street.

WESLEY BOURNE, M.Sc., M.D., C.M.
Lecturer in Anæsthesia. 1538 Sherbrooke St. West.

F. W. HARVEY, B.A., M.D., C.M.
University Medical Officer,
Lecturer in Physio-Therapy. 4007 Dorchester Street W.

R. E. POWELL, B.A., M.D., C.M., F.R.C.S. (Edin.).
Lecturer in Urology. 1486 Crescent Street.

F. MCKENTY, M.D., F.R.C.S.
Lecturer in Surgery. 2064 Union Avenue.

A. B. CHANDLER, B.A., M.D., C.M.
Lecturer in Pediatrics. 1421 Bishop Street.

S. GRAHAM ROSS, D.S.O., B.A., M.D., C.M., M.R.C.P.
Lecturer in Pediatrics. 704 Medical Arts Building.

W. A. G. BAULD, B.A., M.D., C.M.
Lecturer in Obstetrics and Gynæcology. 1538 Sherbrooke Street W.

D. G. Campbell, B.A., M.D., C.M.
Lecturer in Therapeutics and in Medicine. 1511 Mackay Street.

L. M. Lindsay, M.D., C.M.
Lecturer in Pediatrics. Medical Arts Building.

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Lecturer in Pediatrics.
Drummond Medical Building, 1414 Drummond St.

J. G. Browne, B.A., M.D., C.M.
Lecturer in Medicine. 1467 Crescent St.

J. Roddick Byers, M.D., C.M., L.R.C.P. (Ed.).
Lecturer in Medicine (Tuberculosis). 3166 Westmount Blvd.

C. M. Hincks, B.A., M.B.
Lecturer in Mental Hygiene. Medical Building.

W. H. Chase, B.A., M.D.
Lecturer and Douglas Fellow in Pathology. Pathological Institute.

W. W. Beattie, B.A., M.D., C.M.
Lecturer in Bacteriology. Pathological Institute.

Alton Goldbloom, B.A., M.D., C.M.
Lecturer in Pediatrics. 1543 Crescent Street.

C. T. Crowdy, M.D., C.M.
Lecturer in Histology. 73 Westminster Ave., Montreal West.

H. P. Wright, B.A., M.D., C.M.
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W. J. Patterson, B.A., M.D., C.M.
Lecturer in Orthopædic Surgery. Medical Arts Building.

Norman Brown, M.D., C.M.
Lecturer in Physio-Therapy. 1495 Crescent St.

A. W. Young, M.D., C.M.
Lecturer in Neurology. 1390 Sherbrooke Street West.

D. J. Bowie, B.Sc. (Med.), Ph.D. (Toronto).
Lecturer in Histology. Medical Building.

A. H. MacCordick, M.D., C.M.
Lecturer in Medicine. 1454 Mountain Street.

K. I. Melville, M.Sc., M.D., C.M.
Lecturer in Pharmacology. Biological Building.

W. L. Ritchie, M.B.
Lecturer in Radiology. Montreal General Hospital.

J. E. Pritchard, M.D.
Lecturer in Pathology. Montreal General Hospital.

J. T. Rogers, B.A., M.D., C.M.
Lecturer in Oto-Laryngology. Medical Arts Building.

G. E. Hodge, M.D., C.M.
Lecturer in Oto-Laryngology. Medical Arts Building.

N. Viner, B.A., M.D., C.M.
Lecturer in Neurology. 1396 St. Catherine Street W.
J. N. Petersen, B.Sc., M.D., C.M.
Lecturer in Neurology and Madeline Ehret Ottman Fellow.
Medical Arts Building.

DEMONSTRATORS

R. H. M. Hardisty, D.S.O., M.C., B.A., M.D., C.M.
Demonstrator in Medicine. Medical Arts Building.
D. W. McKechnie, D.S.O., M.D., C.M.
Demonstrator in Medicine. 570 Milton Street.
W. E. Enright, B.A., M.D., C.M.
Demonstrator in Pediatrics. 388 Roslyn Avenue.
A. G. Morphy, B.A. M.D. C.M.
Demonstrator in Psychiatry. 1648 Sherbrooke Street West.
J. A. MacMillan, M.D., C.M.
Demonstrator in Ophthalmology. 1410 Stanley Street.
A. G. McAuley, M.D., C.M.
Demonstrator in Ophthalmology. 1301 Dorchester Street W.
C. C. Birchard, M.B., M.R.C.P. (Lond.).
Demonstrator in Medicine. 1487 Bishop Street.
E. E. Robbins, D.V.S., M.D., C.M.
Demonstrator in Medicine. 5770 Durocher Ave., Outremont.
J. L. D. Mason, B.A., M.D., C.M.
Demonstrator in Medicine. 3456 Park Avenue.
A. D. Campbell, M.D., C.M.
Demonstrator in Obstetrics and Gynæcology. Medical Arts Bldg.
L. H. McKim, M.D., C.M.
Demonstrator in Surgery. Medical Arts Bldg.
G. A. Fleet, M.Sc., M.D., C.M.
Demonstrator in Anatomy and Assistant Demonstrator in Surgery. 1500 Crescent Street.
A. Ross, M.C., B.A., M.D., C.M.
Demonstrator in Anatomy and Assistant Demonstrator in Surgery. 5027 Sherbrooke Street West.
M. I. Seng, M.D., C.M.
Demonstrator in Urology. 1538 Sherbrooke Street West.
Guy Johnson, M.A., M.D., C.M., F.R.C.S. (Edin.).
Demonstrator in Surgery. 1005 Sherbrooke Street West.
C. R. Bourne, M.D., C.M.
Demonstrator in Medicine. Medical Arts Building.
Ivan Patrick, B.A., M.D., C.M.
Demonstrator in Obstetrics and Gynæcology.
1374 Sherbrooke Street West.

E. V. Murphy, B.A., M.D., C.M.
Demonstrator in Medicine. Alexandra Hospital.

A. T. Henderson, M.D., C.M.
Demonstrator in Medicine. 900 Sherbrooke Street West.

J. W. Armstrong, B.A., M.D., C.M.
Demonstrator in Anæsthesia. 74 Courcelette Ave., Outremont.

C. C. Stewart, M.D., C.M.
Demonstrator in Anæsthesia. 714 Roslyn Avenue.

Colin Sutherland, B.A. (Dalhousie), M.D., C.M.
Demonstrator in Medicine. 1509 Sherbrooke Street West.

N. T. Williams, M.D., C.M.
Demonstrator in Orthopædic Surgery. Medical Arts Building.

J. J. Walker, B.A., M.D., C.M.
Demonstrator in Medicine. Medical Arts Building.

G. C. Melhado, M.D., C.M.
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Demonstrator in Medicine. 403 St. Joseph Blvd. W.

A. Stewart, M.D., C.M.
Demonstrator in Surgery. 1538 Sherbrooke Street West.

W. W. Ruddick, M.D., C.M.
Demonstrator in Anatomy. 1499 Crescent Street.

C. R. Joyce, M.D., C.M.
Demonstrator in Medicine. 5242 Park Avenue.

J. C. Wickham, B.A., M.D., C.M.
Demonstrator in Medicine. 4342 Sherbrooke St., Westmount.

Keith Gordon, B.A., M.D., C.M.
Demonstrator in Medicine. Medical Arts Building.

Lorne C. Montgomery, M.D., C.M.
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J. F. MacIver, M.D., C.M.
Demonstrator in Medicine. 3757 Wilson Avenue.

David H. Ballon, B.A., M.D., C.M.
Demonstrator in Oto-Laryngology. 1471 Crescent Street.

G. D. Little, M.D., C.M.
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Demonstrator in Pediatrics. 1834 Park Avenue.

R. Cameron Stewart, B.Sc., M.D., C.M.
Demonstrator in Pediatrics. 5840 Côte St. Antoine Road.

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Demonstrator in Medicine. Medical Arts Building.

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1610 Sherbrooke Street West.

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Medical Building.

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A. R. Elvidge, M.D., C.M.
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I. M. Tarlov, M.D.
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FELLOWS

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P. J. Kearns, M.D., C.M.
Clara Law Fellow and Demonstrator in Obstetrics and Gynæcology. Pathological Institute.

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L. I. Pugsley.
Research Fellow in Biochemistry. Biological Building.

G. Chorobski, M.D.
Research Fellow in Neurology and Neurosurgery.

E. L. Gage, M.D.
Research Fellow in Neurology and Neurosurgery.

HISTORICAL SUMMARY
(Faculty of Medicine)

1821-1930

1744 James McGill, born October 6th (Founder's Day). Died 1813.

1801–02 Royal Institution for Advancement of Learning contemplated by Provincial Act of Parliament.

1811 Will by James McGill leaving landed estate and £10,000 to Royal Institution for Advancement of Learning for founding a University.

1818 Royal Institution for Advancement of Learning incorporated. Montreal General Hospital opened on original site on St. Lawrence Street.

1821 Royal Charter granted to the Royal Institution for the Advancement of Learning for the foundation of McGill College. Corner-stone of new Montreal General Hospital laid.

1822–24 Montreal Medical Institution organized as a Medical School by Officers of Montreal General Hospital. At opening lecture at No. 20 St. James Street on October 28, 1824, there were four teachers and twenty-five students.

1829 Estate of James McGill surrendered by residuary legatee. First meeting of Governors at Burnside House. Montreal Medical Institution "engrafted upon" McGill University as its Medical Faculty. First session of Faculty of Medicine.

1831 Medical Faculty petitioned Legislature for permission to grant degrees, and framed statutes to fulfil conditions of charter for same by order of Solicitor-General.

1832 Statutes approved and permission to confer degrees granted to Medical Faculty, and Professorships granted by Crown to Drs. Holmes, Caldwell, Robertson and Stephenson.

1833 First University degree conferred in Medical Faculty upon W. Logie.

1836–37 Faculty removed to building next to present Bank of Montreal.

1840 Faculty removed to St. George Street.

1842 Arts Building erected on University grounds, where medical lectures were held 1845-51.

1852 Faculty removed to Côté Street.

1855 Sir William Dawson appointed Principal.

1860 Geo. W. Campbell appointed Dean, serving until 1882

1872 First independent Medical Faculty building on University ground.
Graduation of William Osler.

1882 Geo. W. Campbell Memorial Fund for Medical Faculty ($50,000); Leanchoil Endowment Fund for Medical Faculty (Lord Strathcona, $50,000).
R. P. Howard appointed Dean.

1885 New laboratories erected in Medical Building (Lord Strathcona, $100,000).

1889 Robert Craik appointed Dean—George Ross, Vice-Dean.

1893 Pathological Laboratory erected (John H. R. Molson, $60,000); Chairs of Hygiene and of Pathology endowed (Lord Strathcona, $100,000).
Mrs. Mary Dow Endowment Fund presented to Medical Faculty ($10,000).

1894 Royal Victoria Hospital opened (Lord Mount-Stephen and Lord Strathcona).

1895 Sir William Peterson appointed Principal.

1898–01 Medical Faculty Building reconstructed and enlarged with new laboratories, etc. (Lord Strathcona, $100,000.)
Joseph Morley Drake Chair of Physiology founded ($25,000).

1901 Thomas G. Roddick appointed Dean.

1906 Alexandra Hospital for Infectious Diseases opened.

1907 Medical Building partly destroyed by fire.

1908 F. J. Shepherd appointed Dean.

1909–11 New Medical Building (as at present) erected. (Lord Strathcona, $450,000.)

1911 Robert Reford endowment of Department of Anatomy ($100,000).
Arthur A. Browne Memorial Fund for Research established ($10,000).
Dr. James Douglas research fellowship in Pathology founded ($25,000).

1912 Eddie Morrice Laboratory of Pharmacology opened (D. Morrice, $14,000).
James Cooper Endowment Fund established for Internal Medicine ($60,000).

1913 Graduates of the Faculty of Medicine subscribed $12,566 to meet fire loss.

1914 H. S. Birkett appointed Dean.
No. 3 (McGill) General Hospital organized for Overseas service.
New Foundling Hospital opened.

1916 Ross Memorial Pavilion (J. K. L. Ross), opened by H.R.H. Duke of Connaught.

1917 Geo. Ross Endowment Fund for Medical Faculty presented.

1919 Sir William Macdonald bequeathed $500,000 to Medical Faculty.
Faculty of Dentistry established. Osler Library (of the history of medicine and science) bequeathed to the Faculty of Medicine by Sir William Osler.

1920 Sir Arthur Currie appointed Principal.
Dr. J. W. Scane appointed Assistant Dean.

1921 Centenary Celebration.
Friends and Graduates of McGill donated $4,000,000 to University.
Province of Quebec donated $1,000,000 to University.
Rockefeller Foundation granted $1,000,000 to Medical Faculty.
F. G. Finley appointed Dean.

1922 Laboratories for Biological Sciences opened.
Geo. E. Armstrong appointed Dean.
New Outpatient Department erected at Royal Victoria Hospital.

1923 Pathological Institute erected.
C. F. Martin appointed Dean.

1924 Rockefeller Foundation gave $500,000 to Medical Faculty to establish University Clinic in Department of Medicine at Royal Victoria Hospital.
Amalgamation of Western Hospital with the Montreal General Hospital.

1925 Erection of Royal Victoria-Montreal Maternity Pavilion.
Roddick Memorial Gates opened.

1926 Closing of old Montreal Maternity Hospital.

1927 Sub-department of Industrial Medicine formed, with Industrial Clinic at the Montreal General Hospital. (Grant of $25,000 from Metropolitan Life Insurance Company.)
Inter-Hospital Commission formed for purposes of administration.

1929 Opening of new laboratory building for Experimental Surgery.
Rockefeller Foundation gave $85,000 for research in Surgery.

OFFICERS AND MEMBERS OF THE FACULTY SINCE ITS ORIGIN

DEANS

Dr. R. Robertson, official head of the Montreal Medical Institution, 1823, was followed by Dr. John Stephenson in 1829 as Registrar and official head of the Faculty up to 1842, when he was succeeded by Dr. A. F. Holmes with the title of Secretary.

A. F. Holmes, 1854.
Geo. W. Campbell, 1860.
R. P. Howard, 1882.
Robert Craik, 1889.
George Ross (Vice-Dean), 1889.
Thomas G. Roddick, 1901.
Francis J. Shepherd, 1908.
Herbert S. Birkett, 1914.
F. G. Finley, 1921.
George E. Armstrong, 1922.
C. F. Martin, 1923.
(J. W. Scane, Assistant Dean, 1920–1922.)

REGISTRARS

John Stephenson, 1829.
Archibald Hall, 1842.
William Wright, 1864.
Robert Craik, 1869.
William Osler, 1877.
F. J. Shepherd, 1883 (Acting).
James Stewart, 1884.
R. F. Ruttan, 1891.
E. M. Eberts, 1902.
(J. W. Scane, Assistant Dean, 1920–1922.)

Registrarship abolished—1923

SECRETARIES

J. C. Simpson, 1923.

MEDICINE

Chair of Medicine
(Founded 1824)

William Caldwell, 1824.
William Robertson, 1833.
Andrew F. Holmes, 1842.
R. P. Howard, 1860.
George Ross, 1889.
James Sewart, 1893.

Chair of Clinical Medicine
(Founded 1845)

James Crawford, 1845 and 1852.
Robt. L. MacDonnell, 1849.
Stephen C. Sewell, 1850.
R. P. Howard, 1856.
Duncan C. MacCallum, 1860.
Joseph M. Drake, 1872.
George Ross, 1872.
Richard L. MacDonnell, 1889.
James Stewart, 1891.

Chair of Medicine and Clinical Medicine
(Founded 1907)

(Chair of Medicine since 1923)

F. G. Finley, 1907–1924.
H. A. Lafleur, 1907–1919.
C. F. Martin, 1907.
J. C. Meakins, Professor and Director, 1924.
C. P. Howard, 1924.
W. F. Hamilton, 1924.

SURGERY

Chair of Surgery
(Founded 1824)

John Stephenson, 1824.
G. W. Campbell, 1835.
Geo. E. Fenwick, 1875.
T. G. Roddick, 1890.

Chair of Clinical Surgery
(Founded 1840)

James Crawford, 1845.
William E. Scott, 1852.
Duncan C. MacCallum, 1856.
Robert Craik, 1860.
George E. Fenwick, 1867.
Thomas G. Roddick, 1876.
James Bell, 1894.

Chair of Surgery and Clinical Surgery
(Founded 1907)

(Chair of Surgery since 1923)

James Bell, 1907–1911.
Geo. E. Armstrong, 1907–1923.
J. A. Hutchison, 1913–1923.
E. W. Archibald, Professor and Director, 1923.
A. T. Bazin, 1923.
E. M. Eberts, 1929.

OBSTETRICS AND GYNÆCOLOGY

Chair of Obstetrics
(Founded 1824)

William Robertson, 1824.
John Racey, 1833.
Geo. W. Campbell, 1835.
Michael McCullogh, 1842.
Archibald Hall, 1854.
D. C. MacCallum, 1868.
Arthur A. Browne, 1883.
J. Chalmers Cameron, 1886.

Chair of Gynæcology
(Founded 1883)

William Gardner, 1883.
W. W. Chipman, 1910.

Chair of Obstetrics and Gynæcology
(Founded 1913)

W. W. Chipman, 1913–1929.
J. R. Fraser, 1929 Professor and Director.
H. M. Little, 1929.

ANATOMY

(Chair founded 1824)

John Stephenson, 1824.
Oliver T. Bruneau, 1842.
William E. Scott, 1856.
Francis J. Shepherd, 1883.
A. C. Geddes, 1913.
S. E. Whitnall, 1919.

CHEMISTRY

Chair of Chemistry
(Founded 1824)

Andrew F. Holmes, 1824.
Archibald Hall, 1842.
William Sutherland, 1849.
Robert Craik, 1867.
Gilbert P. Girdwood, 1879.
R. F. Ruttan, 1902.

Chair of Practical Chemistry
(Founded 1872)

Gilbert P. Girdwood, 1872.
R. F. Ruttan, 1894.

Chair of Bio-Chemistry.

A. B. Macallum, 1920.
J. B. Collip, 1928.

INSTITUTES OF MEDICINE

Chair of Institute of Medicine

(Founded 1824 and included the Department of Physiology, Histology and Pathology)

John Stephenson, 1824.
Stephen C. Sewell, 1842.
Robert L. MacDonnell, 1845.
William Fraser, 1849.
Joseph M. Drake, 1868.
William Osler, 1874.

PHYSIOLOGY

(Founded 1824—endowed 1897)

Wesley Mills, 1886.
N. H. Alcock, 1911.
G. R. Mines, 1914.
John Tait, 1919.
Boris P. Babkin (Research Professor), 1928.

PATHOLOGY

(Founded 1892—endowed 1893)

J. Geo. Adami, 1892.
H. Oertel, 1919.

PHARMACOLOGY

Chair of Pharmacology and Therapeutics

(Founded 1824)

Andrew F. Holmes, 1824.
Archibald Hall, 1835.
Stephen C. Sewell, 1842.
A. Hall, 1849.
William Wright, 1854.
James Stewart, 1883.
A. D. Blackader, 1891.

Chair of Pharmacology

H. G. Barbour, 1921.
R. L. Stehle, 1924.

BOTANY

(Chair founded 1829)

Andrew F. Holmes, 1829.
Dr. Papineau, 1845.
J. W. Dawson, 1855–56 and 1858–83.
James Barnston, 1857–58.
D. P. Penhallow, 1883.
F. E. Lloyd, 1912.

MEDICAL JURISPRUDENCE

(Chair founded 1845)

William Fraser, 1845.
Francis Badgley, 1849.
Francis C. T. Arnoldi, 1850.
William E. Scott, 1851.
William Wright, 1852.
R. Palmer Howard, 1854.
Duncan C. MacCallum, 1860.
George E. Fenwick, 1867.
William Gardner, 1875.
George Wilkins, 1883.
D. D. MacTaggart, 1911–1929.

HYGIENE AND PUBLIC HEALTH

(Chair founded 1871—endowed 1893)

George Ross, 1871.
Thomas G. Roddick, 1873.
Robert T. Godfrey, 1875.
William Gardner, 1879.
R. L. MacDonnell, 1886.
Robert Craik, 1889.
Wyatt Johnston, 1902.
T. A. Starkey, 1902.
A. G. Fleming, Professor and Director of the Department of Public Health and Preventive Medicine, 1926.

OPHTHALMOLOGY AND OTO-LARYNGOLOGY

Chair of Ophthalmology and Otology

(Founded 1883)

Frank Buller, 1883.

Chair of Laryngology
(Founded 1893)

G. W. Major, 1893.
H. S. Birkett, 1895.

Chair of Oto-Laryngology

H. S. Birkett, 1895–1931.
E. Hamilton White, 1931.

Chair of Ophthalmology

J. W. Stirling, 1906.
W. G. Byers, 1923.

CHAIR OF ZOOLOGY

E. W. MacBride, 1902.
Arthur Willey, 1910.

CHAIR OF HISTORY OF MEDICINE

Andrew MacPhail, 1907.

CHAIR OF BACTERIOLOGY

F. C. Harrison, 1928.
E. G. D. Murray, 1930.

FACULTY OF MEDICINE

The ninety-ninth session of the Faculty will open on September 16th, 1931.

ENTRANCE REQUIREMENTS

A sound general education is an essential foundation for professional training and a four-year course leading to a B.A. or B.Sc. degree is considered the most desirable preparation for the study of medicine. Preference will be given, therefore, to applicants who have had a full academic course in which the humanistic studies have not been sacrificed to a narrow scientific specialization.

Candidates without a degree should have at least three years of college work. In exceptional cases applications may be received from students who have completed two years of work in a recognized college or faculty of Arts, provided they present certificates that they have scholastic standing placing them in the first third of their class.

It is distinctly to be understood that the Faculty does not undertake to accept all students who have passed the courses necessary to fulfil the requirements. It reserves the right to select for admission only those candidates who, in the opinion of the Committee on Admissions, give promise of work of high quality in the medical course.

All applicants must present satisfactory evidence that their college courses include the following:—

Physics—One year of general college Physics with laboratory work.

Biology—One year of General Biology and Zoology with laboratory work. One half-year of Botany and one half-year of Zoology will be accepted, but not one year of Botany alone.

Chemistry—Two years:—

(a) One full course of General Chemistry with laboratory work.

(b) One full course of Organic Chemistry with laboratory work.

Students who wish to pursue their preliminary course at McGill may register as regular undergraduates in the Faculty of Arts and Science and should apply for admission to the Faculty of Medicine at the end of their third year or preferably on graduation.

Candidates for admission to the Faculty of Medicine must also present evidence that they have satisfied the matriculation requirements of the Licensing Body of the Province to which they belong. (For further particulars see "Requirements for Licence to Practise," p. 42.)

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than July 1st.

A fee of $25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

APPLICATION FOR EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit to the Secretary of the Faculty an official statement of his preliminary education and of the course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office for the session 1931–32 on September 9th to September 15th, 1931. Those who register after September 15th will be required to pay a fee of $5.00 if they do so during the first week of the session and $10.00 if during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

PHYSICAL EXAMINATION, VACCINATION AND HEALTH

In order to promote as far as possible the physical welfare of the student body, every student coming to the University for the first time will be required to pass a physical examination. Students of all Years who wish to engage in athletic activities, are also required to undergo physical examination. The hours for this examination will be announced at registration.

Students who do not present themselves for the medical examination (or otherwise satisfy the Director) before November 1st, will not be allowed to attend the University.

Re-examinations will be held from time to time throughout the session for those students who are of low category, or who are suffering from physical disabilities.

All students in good standing who are taking a course of study held to be sufficient by a special committee of the Faculty in which they are enrolled will be allowed to take part in athletics, subject, however, to the general regulation regarding medical examination.

Suspension from lectures for any cause, or absence from more than one-eighth of the total number of lectures given in any course, as shown by the monthly reports furnished to the Dean of each Faculty by the several professors and lecturers, shall be considered as sufficient ground to disqualify a student from engaging in athletic contests.

During the session and including the Christmas holidays, all teams and individual *students desiring to participate in "outside"* athletics* must first apply to the Captain or Manager of the club concerned, who must secure the permission of the Athletic Manager, by whom all such sanctions are granted.

Should any student take part in any athletic contest not having been sanctioned as above, or who is not personally qualified under the regulations regarding eligibility, medical examination, etc., such student shall be immediately debarred from participation in all University athletics. He shall be reported to the Athletic Board, which body shall, if it sees fit, request the offender to withdraw from the University, if the consent of the Principal has been given, until Corporation shall meet to deal with the matter.

(For further regulations see handbook published by the Athletic Board.)

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* "Outside athletics" is interpreted to mean the athletics over which the Athletic Board of the University or the Canadian Intercollegiate Athletic Union does not have control.

Provision is made by the Department for the care of the health of undergraduate students during the session. Hospital accommodation is provided for seven days only, and for that time only when requisitioned for by the Department. A leaflet concerning this service and the general work of the Department, together with the regulations governing athletics, will be distributed at the opening of the session.

FEES

All students must register with the University Registrar before paying their fees.

1. Fees are due and payable to the Bursar on September 23rd, 24th and 25th. They may be paid by cheque, which should be mailed so as to reach the Bursar by the date named.

Fees will also be accepted before September 16th.

Students who pay by instalments will be required to pay the second instalment on or before February 1st.

After September 25th or February 1st (in the case of those who pay by instalments) an additional fee of $2.00 will be exacted of all students in default.

2. Immediately after October 10th, or February 5th (in case of students who pay by instalments), the Bursar shall send to the Dean of the Faculty a list of the registered students who have not paid their fees, on receipt of which he shall cause their names to be struck from the register of attendance, and such students cannot be re-admitted to any class except on presentation of a special ticket, signed by the Bursar, certifying to the payment of fees.

3. Students registering after September 25th shall pay their fees at the time of registration, failing which they become liable for the additional fee of $2.00 exacted of students in default.

4. Fee for the support of various undergraduate organizations, for the skating rinks and tennis courts during the session, and for admission to the home games under the control of the Athletic Board:—

For men undergraduates	$17.00
For women undergraduates	10.00

Partial students who pay the above fees will have the same privileges as undergraduates in these respects.

The sum of $10.00 is collected from all students at the time of registration as "caution money," from which deductions for breakage reported from the laboratories or lecture rooms are made, and a refund is granted at the close of the session.

5. Partial students will be admitted to one or more courses on payment of special fees and a fee of $3.00 for athletics and athletic grounds.

6. Students repeating the course of study of any academic session are not required to pay full fees. A fee of one hundred dollars will be charged, which will include dissecting material, chemical reagents, laboratory fees, etc.

7. Students taking out extra dissecting material will be charged at the rate of $10.00 for a half session and $20.00 for a whole session.

8. An *ad eundem* fee of $10.00 is charged students entering from another university in any Year above the First.

9. When the degree of Doctor of Medicine and Master of Surgery is conferred in absentia, a fee of twenty dollars will be charged, unless the candidate has been specially exempted by the Faculty.

10. The fee for the graduate course in Public Health, including laboratory and outdoor work is $100.00.

SUMMARY OF FEES

Sessional fee		$250.00
By instalments:		
First instalment, if paid before September 27th..	$127.50	
Second instalment, if paid before February 5th..	127.50	
Microscope, first instalment (on deferred payment plan)	32.00	32.00
Caution money (deposit)	10.00	10.00
Fee for Union, athletics, etc.	17.00	17.00
	$314.00	$309.00

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine.

Should the student not be provided with such a microscope, he may purchase a new guaranteed instrument through the Bursar's office of the University for the sum of $105.00 or on the deferred payment plan, by which payment is spread over five years, as follows:—First year, $32.00; second year, $25.00; third year, $22.00; fourth year, $20.00; fifth year, $16.00.

STUDENTS' EXPENSES

1. BOARD AND RESIDENCE

No college residences have as yet been erected for men students, but dormitory accommodation for about 60 is provided in Strathcona Hall, the home of the Student Christian Association of McGill University. Full particulars concerning terms of residence, etc., may be obtained from the Secretary of the Association, 772 Sherbrooke Street West, Montreal, who will also make arrangements to have students who are strangers to the city met on arrival and helped to secure lodgings, if due notice is sent of the station and time at which they will arrive.

The University Lodgings Committee issues annually a list of lodgings and boarding houses which have been inspected and approved. This list, which gives prices of rooms and meals, may be consulted in the Registrar's Office, in the Medical Building, in the Students' Union or in Strathcona Hall.

Board and lodging can be obtained in private houses in the vicinity of the University buildings at a cost of $45 to $60 per month; or separately, board from $30, and a room from $20 upwards per month.

Board is furnished in the McGill Union at low rates. The dining room, which is a special feature of the Union, will accommodate over 120 students at a time. There is also a lunch counter where meals are served *à la carte*.

2. APPROXIMATE ESTIMATE OF COST OF COURSE

	Minimun	Moderate
Tuition Fees	$250.00	$250.00
Fee for Athletics, Union, etc.....	17.00	17.00
Board and Lodging.....	400.00	500.00
Books, Instruments, etc.....	153.00	173.00
	$820.00	$940.00

It will be noted that in the above estimate no account is taken of personal expenses, such as cost of clothes, laundry, etc., nor yet of the caution money deposit of $10.00 which is made by each student at the commencement of the session. Students are advised also to reckon on at least $20.00 to $25.00 per annum for subscriptions of various kinds.

COURSE FOR THE M.D. DEGREE AND EXAMINATIONS

Certain fundamental changes have been initiated in this year's curriculum, rendering it much more flexible, more balanced and affording the student a certain freedom of choice. Thereby, too, the student assumes more responsibility for his own education. Incidentally he is relieved from an over-crowded curriculum in order to have more time for independent thought and work.

While a certain sequence of courses is essential to a well-ordered curriculum, he will no longer be passed on from year to year in lock step, but may assume greater latitude in the selection of the form and matter of study, and to some extent, too, in the choice of clinical teachers.

A. The Medical Course

The Academic year is divided into three terms of ten weeks and the minimum period of study required for the degree is fifteen terms (five years).

The subjects comprised in the medical course are arranged in two groups:

The Preclinical Group:

- Anatomy.
- Histology and Embryology.
- Biochemistry.
- Physiology.
- Pharmacology.

The Clinical Group:

- Bacteriology.
- Pathology.
- Public Health and Preventive Medicine.
- Medicine (including Pædiatrics, Neurology, Psychiatry, Dermatology and Laboratory Diagnosis).
- Surgery (including Urology and Orthopædic Surgery).
- Obstetrics and Gynæcology.

Ordinarily, the preclinical subjects occupy two years and the clinical group three years of the course.

In each group the courses offered are of two kinds:

Required Courses covering the ground which is essential to the training of a medical practitioner.

Elective Courses designed to give a broader and deeper training in the major subjects and the specialties.

The required courses are arranged in such a manner that a considerable amount of the student's time is left free for independent study and for elective courses, of which at least two shall be taken in the preclinical and three in the clinical subjects.

The required subjects of each group will ordinarily be taken in a definite sequence but qualified students may be allowed to arrange their schedule in accordance with their interests and previous training.

B. Examinations

1. *Course Examinations,* written and oral, are held at the conclusion of each required course. In determining the standing in these examinations, the student's work during the course is taken into account.

2. *University Examinations* are conducted by two Examination Boards of senior teachers appointed by the Faculty.

(a) *The First University Examination* is held at the end of the preclinical period of study (end of the second year) and will cover the subjects of Anatomy, Histology, Physiology, Biochemistry and Pharmacology.

(b) *The Final University Examination,* at the end of the medical course, covers the field of Pathology, Bacteriology, Public Health, Medicine, Surgery, Obstetrics and Gynæcology and cognate subjects.

The Examination Board has general supervision of the final examinations in the clinical subjects and, sitting as a board, considers the cases of, (and, if necessary, examines) any candidates for the degree who have obtained a low grade in any subject.

Both Course and University Examinations cover the subject as a whole, rather than the content of any course of lectures.

In order to qualify for the First University Examinations, a student must have passed the course examinations in the required subjects of the preclinical group and, in addition, must have successfully completed at least two elective courses.

To qualify for the Final University Examinations, a student must have passed the course examinations in the required subjects of the clinical group, and have successfully completed at least three elective courses during the clinical period. He must also have satisfactorily completed the prescribed courses of study and practice in:

I. Ophthalmology.

II. Otolaryngology.

III. Psychiatry.

IV. Infectious Diseases.

V. Anæsthesia.

VI. Pathological Anatomical Technique and methods of Post Mortem Examination and Diagnosis.

VII. Public Health Survey.

A student who has failed in the course examination in one of the required subjects in either group may, on decision of the Examination Committee, in consultation with the head of the Department concerned, be allowed to appear for the University Examination.

The Final Examinations in Medicine, Surgery and Obstetrics must all be passed at one time, but a student who fails in one of these subjects only may, at the discretion of the Faculty, be allowed a re-examination in that subject at the next regular examination period, provided that he shall have satisfactorily completed such additional work as may be prescribed by the Head of the Department concerned.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

At the end of the Spring Term, the Promotion Committee will consider the cases of all students who at the conclusion of their third term are reported by their instructors as having fallen below the grade of C and shall determine whether such students are to be allowed to continue, warned, required to repeat the course or courses, or retired from the Faculty.

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* The " Required Courses," together with suitable " Elective Courses " in the second year, will qualify a candidate for the First (Primary) Examination for Fellowship in the Royal College of Surgeons of England and for the Primary Examination for Fellowship in the Royal College of Physicians and Surgeons of Canada.

C. Grading

At the conclusion of each course, students will be graded in five groups, as follows:—

A = Excellent
B = Good
C = Fair
D = Doubtful
E = Failure.

In reporting the grading, the names of those students who attain honour standing shall be arranged in order of merit; in all other grades the arrangement shall be alphabetical.

The grade assigned to a student shall be based upon the result of the Final and Class Examinations, but the instructor will also take into account the record of the work done throughout the course.

The quality of the English used by a candidate will be taken into account in determining his standing in all examinations.

MEDALS, PRIZES, FELLOWSHIPS AND SCHOLARSHIPS

Medals

The Holmes Gold Medal, founded by the Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., one time Dean of the Faculty of Medicine, is awarded to the student graduating with the highest aggregate number of marks in the different branches comprised in the medical curriculum.

The student who wins the Holmes Medal has the option of exchanging it for a bronze medal and the money equivalent of the gold medal.

The Wood Gold Medal, founded by Casey A. Wood, M.D., LL.D., awarded to the student graduating with the highest aggregate number of marks in the clinical examinations of the Final Year. The winner of the Holmes Medal is not permitted to compete for this medal.

The Sutherland Gold Medal, founded in 1878 by the late Mrs. Sutherland, in memory of her late husband, William Sutherland, M.D., formerly Professor of Chemistry in this Faculty, is awarded for the best examination in Bio-chemistry, together with a creditable examination in the primary branches.

The Lieutenant Governor's Silver Medal, to be awarded to the student who obtains the highest marks in General Medicine at the end of the Fifth Year.

The Lieutenant Governor's Bronze Medal, to be awarded to the student who obtains the highest standing in the Final Examination in Physiology.

Prizes

The Joseph Hils Prize. (Founded by the late Dr. Joseph Hils, of Woonsocket, R.I.).—A prize in books, awarded to the student who obtains the highest number of marks in the subject of Pharmacology.

The Joseph Morley Drake Prize. (Founded by the late Joseph Morley Drake, M.D.).—A prize in books, to be awarded to the student who obtains the highest number of marks at the Final Examination in Pathology.

Primary Prize. A prize in books awarded for the best aggregate standing in the subjects of the first division (Anatomy, Histology, Physiology, Biochemistry).

The F. Slater Jackson Prize. An annual prize of $50.00, founded by Mr. and Mrs. H. F. Jackson in memory of their son, the late F. Slater Jackson, M.D. The prize is awarded on the result of a special examination, written and oral, in Histology and Embryology.

The Alexander D. Stewart Prize. An annual prize in books, founded by the late W. Grant Stewart (Arts 1885, Med. 1888) in memory of his brother, the late Alexander D. Stewart (Med. 1888), to be awarded to the member of the graduating class who, in the opinion of the Faculty, presents in every respect the highest qualifications to practise his profession.

FELLOWSHIPS

The A. A. Browne Memorial Fellowship.—The sum of $10,000 was received by the Faculty from the committee of the A. A. Browne Memorial Fund. With this sum a fellowship has been established, to be known as the "A. A. Browne Memorial Fellowship." This fellowship is open to graduates of any recognized Medical School and is for the advancement of medical science, special preference being given to the subjects of obstetrics and gynæcology.

The James Douglas Research Fellowship.—The sum of $25,000 was donated by the late Dr. James Douglas, the proceeds to be devoted to co-ordinated research in the laboratories of pathology in or associated with the University.

The James Douglas Studentship.—A studentship in pathology, given by the late Dr. James Douglas, open to McGill graduates only, tenable for six years and of the value of $1,250 for the first year, increasing to $2,500.

The James Cooper Fellowships for the Study of Internal Medicine.—This fund of $60,000 was donated in 1912 by the will of the late James Cooper of Montreal to promote study and research in Internal Medicine.

The John McCrae Fellowship.—A fellowship of approximately $600, founded in 1918 as a yearly donation by Mr. H. J. Fuller, of New York, in memory of the late Lt.-Col. John McCrae, for the purpose of scientific research in Experimental Surgery. Established as a permanent fellowship in 1920 by Mr. Fuller and the Canadian Fairbanks-Morse Company.

The John W. Flinn Research Fellowship.—In 1921, Dr. John W. Flinn, of Prescott, Arizona, gave the sum of $5,000, to be paid in five equal annual instalments of $1,000, this sum to be used for the assistance of medical research in tuberculosis.

The J. W. McConnell Scholarship.—The sum of $1,000.00 was donated to the Department of Surgery for purposes of research for the year 1925-26. This was renewed each year since and in 1928 was increased in value to $1,500.

The Clara Law Fellowship, founded in 1927 by Mrs. J. R. Fraser for the furtherance of research in the laboratory of the Department of Obstetrics and Gynæcology, is of the value of $1,200 per annum.

The P. P. Cowans Scholarship of $1,000.00 was presented to the Department of Surgery and Physiology for purposes of investigation in these subjects during the year 1925-26. It was renewed each year since and will be again available in 1931-32.

The Walter J. Hoare Memorial Scholarship.—A sum of money has been donated by Dr. Charles W. Hoare, a graduate of McGill University, as a Scholarship in Medicine, in memory of his son, Walter J. Hoare, who was killed in the Great War. This Scholarship is open to pupils of the Collegiate Institutes of the counties of Essex, Kent and Lambton entering the Faculty of Medicine.

Six scholarships for Canadian students, four donated in 1927, by Mrs. R. MacDougall Paterson, Mrs. Charles Meredith, Mrs. C. F. Martin and Louis Colwell, Esq., three in 1928 by C. W. Lindsay, Esq., A. B. Purvis, Esq., and one by an anonymous donor and friend of the Medical Faculty. These scholarships are valued at $400.00 each per annum, and extend over the five years of the course. The conditions pertaining to these scholarships may be had on application to the Dean or Secretary of the Faculty of Medicine.

The Dr. J. Francis Williams Scholarship of $500.00, founded by the late J. Francis Williams, M.D., to be awarded to the student of the Final Year who obtains the highest standing in Medicine and Clinical Medicine.

The Dr. J. H. B. Allan Scholarship of $300.00, founded by bequest of Mrs. Agnes W. Allan, wife of the late Dr. J. H. B. Allan, to be used as the Faculty may direct.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all of the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for five full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University.

3. No one shall be permitted to become a candidate for the degree who shall not have attended at least one full session at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

5. He must have attended during at least three sessions or nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.

6. He must also have attended during one full session the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.

7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the rights to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensure is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B.—In order that disappointment and loss of time may be avoided, the University *requires students to register with the licensing body of their home province or state before beginning their medical course.*

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

Quebec.—Dr. J. Gauvreau, 354 St. Catherine Street E., Montreal.

Ontario.—Dr. H. Wilberforce Aikens, 170 University Avenue, Toronto, Ont.

New Brunswick.—Dr. S. H. McDonald, 56 Colborne Street, Saint John, N.B.

Nova Scotia.—Dr. W. H. Hattie, Halifax, N.S.

Prince Edward Island.—Dr. H. D. Johnson, 51 Grafton St., Charlottetown, P.E.I.

Manitoba.—Dr. J. E. Coulter, 604 Boyd Bldg., Winnipeg, Man.

Alberta.—Dr. George R. Johnston, Calgary, Alta.

Saskatchewan.—Dr. A. MacG. Young, Saskatoon, Sask.

British Columbia.—Dr. A. P. Proctor, Vancouver, B.C.

The Registrar for Newfoundland is Dr. T. Mitchell, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board

that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain. To obtain a licence from the General Council it is necessary to pass one of the examining boards of Great Britain in the final subjects.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

COURSES OF INSTRUCTION

ANATOMY

THE ROBERT REFORD PROFESSOR:—S. E. WHITNALL.

ASSOCIATE PROFESSOR:—J. BEATTIE.

LECTURER:—H. E. MACDERMOT.

SENIOR DEMONSTRATOR:—D. S. FORSTER.

DEMONSTRATORS:—E. H. CAYEORD; H. M. ELDER; R. R. FITZGERALD; G. A. FLEET; G. D. LITTLE; R. M. H. POWER; A. ROSS; W. W. RUDDICK; P. G. SILVER.

The Required Courses in Anatomy, are given in the first three terms of the Medical Course. In subsequent terms of the Second Year, opportunity is afforded through the Elective Courses for a complete revision in Anatomy together with choices of advanced work.

REQUIRED COURSES

1. **Lecture Course in Gross Anatomy.**

Three hours weekly through the Autumn, Winter and Spring Terms.....Professors Whitnall and Beattie.

Text-books:—Gray's "Anatomy" (English Edition); Whitnall's "Study of Anatomy."

Reference books:—Quain, Cunningham, Piersol, Keith's "Human Embryology and Morphology."

Recommended for Collateral Reading:—Keith's "Menders of the Maimed"; Hilton's "Rest and Pain."

2. **Laboratory Course in Gross Anatomy.**

Fifteen hours weekly during the Autumn and Winter Terms, and fourteen hours weekly during the Spring Term.

Professor Whitnall and Staff.

Practical Manual:—Walmsley.

3. **Tutorials:** Devoted mainly to the study of osteology and surface anatomy.

One hour weekly throughout the session.

Drs. MacDermot and Forster.

Text-books:—Gray's "Anatomy"; Thompson's "Surface Anatomy."

4. **Discussions:** Informal class discussions upon problems and difficulties.
One hour a week throughout the session.....Dr. Beattie.

ELECTIVE COURSES

5. **A Revision of the Whole Body by Dissection.**
Time required, three afternoons a week.

6. **A Course of Study of the Special Sense Organs.** Two afternoons a week.

7. **Special Regions.** Two afternoons a week.
Professor Whitnall and Staff.

ADDITIONAL COURSES

8. **Ophthalmological Anatomy:** Mainly a laboratory course designed for graduates in Medicine who intend to specialize in Ophthalmology.
By arrangement. Details on application.....Professor Whitnall.

9. **Oto-laryngological Anatomy:** A similar course.
By arrangement. Details on application.....Professor Whitnall.

10. **Physical Anthropology:** A didactic and laboratory course.
By arrangement .....Dr. Beattie.

11. **Neurology:** A series of colloquia on recent work on the Nervous System.
By arrangement .....Dr. Beattie.

12. **Comparative Anatomy of the Primates:** Offered for students taking the Honours Course in the Biological Sciences. The course is based upon and continues the work of general comparative anatomy and leads on to the study of human anatomy.
Two lectures or colloquia and two hours of laboratory work per week during the year.....Dr. Beattie.

HISTOLOGY AND EMBRYOLOGY

PROFESSOR:—J. C. SIMPSON.

LECTURERS IN HISTOLOGY:—D. J. BOWIE. W. M. FISK. C. T. CROWDY.

DEMONSTRATOR IN HISTOLOGY AND EMBRYOLOGY:—H. E. RAWLINSON.

DEMONSTRATOR IN HISTOLOGY:—G. C. ANDERSON.

Required Courses

1. **Histology and Embryology—Lecture Course.**
Two hours weekly during the Autumn, Winter and Spring Terms.
Professor Simpson and Dr. Rawlinson.
Text-books:—Jordan, Bailey, ~~Lewis and~~ Bremer, (John Lewis)

2. **Histology and Embryology—Laboratory Work.**
Eight hours weekly during the Autumn, Winter and Spring Terms.

3. **Organogenesis:** The development of the organs and systems of the human body.
One hour a week during the first half session and two hours during the second.....Professor Simpson.
Reference books:—Jordan; Arey; Keith.

Elective Courses

4. **Advanced Histology and Embryology.**
Laboratory course in histology and histological technique open to students who have completed Courses 1 and 2.
Three or more hours weekly throughout the Session...Dr. Bowie.

5. **Advanced Embryology:** Advanced work, including practical instruction in embryological technique.
Six hours a week throughout the session.....Dr. Rawlinson.

PHYSIOLOGY

The Joseph Morley Drake Professor:—John Tait.
Research Professor:—Boris P. Babkin.
Assistant Professor:—N. Giblin.
Lecturer:—S. Dworkin.
Demonstrators:—G. F. Sutherland. D. A. Ross.

In this department special provision is made not only for undergraduate but also for graduate instruction. There are full courses in Physiology proper for all undergraduates. For graduate and for elective purposes other special courses are given.

Required Courses

1. **Introductory Course**—Lectures and Demonstrations.
In this course, which is comprehensive rather than detailed, the general principles of the subject are dealt with.
Two hours a week during the first half session, and three hours a week during the second half session.

2. **Intermediate Course**—Lectures, Demonstrations and Laboratory.
Three lectures, one demonstration and six hours laboratory work a week. Autumn Term.
The more detailed description of the nervous system and sense organs forms a part of this course. The accompanying laboratory course consists of experiments on surviving parts of the frog and on the human subject.
Text-books:—Howell, Macleod, Starling, Stewart.

3. **Senior Course**—Lectures, Demonstrations and Mammalian Laboratory.
During these lectures the survey of the subject for undergraduate medical purposes is completed. The laboratory work accompanying the course involves a more advanced operative and instrumental technique.
Three lectures, one demonstration and six hours of laboratory work. Winter Term.
Text-book:—Sharpey-Schäfer, "Experimental Physiology."

Elective Courses

4. **Lectures on Selected Advanced Topics.**
Professors Babkin and Giblin.
During each year a variety of subjects is handled. As these vary from year to year, the titles will be announced at the commencement of the Autumn Term. The lectures are held twice a week throughout the Graduate Faculty teaching session. For elective purposes special parts of the course may be separately attended.

5. **Tutorial Course.**
Dr. Dworkin, Dr. Sutherland, Mr. Ross.
This course is for the discussion of physiological problems, and entrants are required to use the library in preparation for the meetings.
One hour a week Winter Term.
One hour a week Spring Term.

Courses only for Graduate Students.

6. **Lectures on Structure and Function**.....Professor Tait.

7. **Advanced Laboratory.**

8. **Physiological Colloquium.**

PSYCHOLOGY

PROFESSOR OF ABNORMAL PSYCHOLOGY:—J. W. BRIDGES.
ASSISTANT PROFESSOR OF ABNORMAL PSYCHOLOGY:—
K. M. BANHAM BRIDGES.

REQUIRED COURSE

1. **Normal and Abnormal Psychology.** Psychophysiological standpoint, the relation of abnormal to normal mental life and behaviour, the mechanism of behaviour and the physical basis of consciousness, theories of the unconscious, the motivation of behaviour, association and dissociation; imitation, suggestion, instinct, habit, emotion, memory, intelligence, character, temperament, and their abnormalities.
Two lectures a week. Autumn Term...Professor J. W. Bridges.

OPTIONAL COURSES

These are one term courses open to students in the Fourth and Fifth Years and to graduates.

2. **Mental Measurements.** Intelligence tests, ratings of character and temperament, and other mental examination methods.
The course will include practice in giving tests.
This course is intended for students specializing in psychiatry.
By arrangement.....Prof. J. W. Bridges.

3. **Child Psychology.** Aspects of mental development, with special reference to the pre-school child. The course will include practical observations in the McGill Nursery School.
This course is intended for students specializing in pediatrics.
By arrangement.....Asst. Prof. K. M. B. Bridges.

4. **Psychology in Industry.** The selection of employees, the worker's efficiency, and his adjustment to his task.
This course is intended for students specializing in Industrial Medicine.
By arrangement.....Prof. J. W. Bridges.
Text-book:—Bridges, J. W., Psychology, Normal and Abnormal, for Medical Students.

BIOCHEMISTRY AND PATHOLOGICAL CHEMISTRY

PROFESSOR:—J. B. COLLIP.

ASSISTANT PROFESSOR:—D. L. THOMSON.

LECTURERS ON PATHOLOGICAL CHEMISTRY:—E. H. MASON. I. M. RABINOWITCH.

RESEARCH FELLOWS:—R. L. KUTZ. J. S. L. BROWNE. L. I. PUGSLEY. C. W. CHAPMAN.

In addition to the required courses of lectures and laboratory exercises, an elective course of lectures, conferences and laboratory work is offered in which one section of the general field is treated in greater detail. Both these courses are designed primarily for medical students, and are intended as an introduction to clinical chemistry and medicine. Advanced lectures on various topics are also given in the Department, as set forth in the Announcement of the Faculty of Graduate Studies, and undergraduates are permitted to attend these lectures.

REQUIRED COURSES

1. Biochemistry—Lecture Course:

This course forms a general introduction to the subject and is divisible into four parts: first, a survey of the chemical nature and physicochemical properties of the foodstuffs and the constituents of living matter; second, an account of the transformations undergone by these substances in digestion and metabolism; third, the principles of the science of nutrition; fourth, an introduction to pathological chemistry.

Text-books:—Bodansky: "Introduction to Physiological Chemistry." Cameron: "A Text-book of Biochemistry."

Reference books:—Peters & van Slyke: "Quantitative Clinical Chemistry," Gortner: "Outlines of Biochemistry," Thomson: "The Life of the Cell," Lusk: "Science of Nutrition."

Monday and Friday at 10, Wednesday and Saturday at 9, during the Autumn and Winter terms.

2. Biochemistry—Laboratory Course:

The exercises will deal with the practical side of the subjects treated in the lecture course, such as the chemical properties of the

carbohydrates, fats, and proteins, and the qualitative and quantitative analysis of blood, urine, and other body fluids for their most significant constituents, by volumetric and colorimetric methods. A synopsis of the course is issued by the Department.

Reference books:—Hawk & Bergeim, "Practical Physiological Chemistry." Folin, "Laboratory Manual of Biological Chemistry."

Six hours a week. Monday, Wednesday and Friday mornings in the Autumn and Winter terms.

Elective Courses

3. Endocrinology and Metabolism—Lecture Course:

In this course a survey will be made of the ductless glands, the action of hormones on growth and reproduction and on the metabolism of various substances, in health and disease.

Reference books:—Pryde, "Recent Advances in Biochemistry"; Lovatt Evans, "Recent Advances in Physiology"; Parkes, "The Internal Secretions of the Ovary," in addition to those listed in Course 1.

Two hours a week—Monday and Friday at 2, in the Autumn and Winter terms.

4. Endocrinology and Metabolism—Laboratory Course:

Laboratory experiments to illustrate the lecture course will be arranged, and analytical methods employed in studies of metabolism will be practised.

Up to six hours a week in the Autumn and Winter terms.

PATHOLOGY

Strathcona Professor:—Horst Oertel.

Associate Professor:—L. J. Rhea.

Assistant Professor:—T. R. Waugh.

Lecturer and Douglas Fellow in Pathology:—W. H. Chase.

Lecturer:—J. E. Pritchard.

Lecturer in Neuropathology:—W. V. Cone.

Assistant Demonstrators:—
- A. MacDonald.
- A. L. Hunt.
- T. Farmer.
- H. Starkey.
- G. A. Copping.
- R. J. Bristow.

Curator of Museums:—E. L. Judah.

NOTE: Students for the degree of Doctor of Medicine are advised to commence the study of Pathology at the beginning of their clinical instruction, i.e., in the Third Year, and pursue it in the following order:

First: General Pathology, with its laboratory course in general pathological anatomy and histology (Courses A1 and A2).

Second: Special Pathology (Course B1), including the special didactic courses on the diseases of the blood forming organs, the more important ductless glands, and of the nervous system (Courses B2, B3, B4), with the laboratory course in special pathological anatomy and histology (Course B5), and also to attend the demonstrative courses and practical exercises in pathological anatomical methods (Course B6).

It is desirable that students should continue to attend the demonstrative courses and practical exercising in pathological anatomy and choose from the electives throughout the rest of their study. Students may find it advantageous to refresh their minds during their later clinical years in certain parts of General and Special Pathology in which they are interested by returning to the didactic lectures in General and Special Pathology in addition to taking up some of the electives.

A study room has been set aside in the Pathological Institute more particularly for the students of Special Pathology and those under advanced clinical instruction, in which gross and microscopic material illustrative of topics discussed in the didactic lectures are weekly put on exhibition for personal study, at the student's leisure. Museum material may also be requisitioned. This room is open from 9 a.m. to 6 p.m. during the session, and demonstrators will be available for consultation.

REQUIRED COURSES

I. DIDACTIC LECTURES.

A1. General Pathology and Pathological Morphology.

Comprising (1) the philosophical and historic evolution of the conceptions of disease; (2) the general foundations and relations of morbid life in constitutional, physical and chemical environment and parasitism; (3) pathogenesis and the structural changes incident to it. Two lectures (with epidiascope demonstrations) a week.

Autumn Term—Tuesday and Thursday, 4 p.m.

Winter and Spring Terms—Monday and Friday, 4 p.m.

Pathological Institute.....Professor Oertel.

B1. Special Pathological Anatomy and Pathogenesis of the Circulatory, Respiratory, Digestive and Renal Systems.

One lecture with epidiascope demonstrations a week.
Autumn Term—Friday, 4 p.m.
Winter and Spring Terms—Wednesday, 4 p.m.
Pathological Institute.....Professor Oertel.

B2. Diseases of the Blood Forming Organs.

One lecture a week. Autumn Term—Monday, 4 p.m.
Pathological Institute.....Professor Waugh.

B3. Pathological Anatomy of the More Important Ductless Glands.

One lecture a week. Winter Term—Tuesday, 4 p.m.
Pathological Institute.....Dr. Chase.

B4. Pathological Anatomy of the Nervous System.

One lecture a week. Spring Term—Tuesday, 4 p.m.
Pathological Institute.....Dr. Cone.

II. Practical Courses.

A2. Laboratory Courses in General Pathological Anatomy and Histology, (including the methods of microscopic technique and diagnosis with practical exercises in the living animal, in fresh and in hardened tissues). Six hours weekly.
Winter and Spring Terms—Tuesday and Thursday, 2 p.m.
Pathological Institute.....Professor Oertel and Demonstrators.

B5. Laboratory Course in Special Pathological Anatomy and Histology. Two hours weekly.

Winter and Spring Terms—Monday and Friday, 4 p.m.
Pathological Institute.
Professor Waugh, Dr. Chase, Dr. Cone and Demonstrators.

B6. Demonstrative Course and Practical Exercises in Pathological Anatomical Methods and Diagnosis, (including autopsy technique and reference to medico-legal practice).

Autumn, Winter and Spring Terms—Saturday morning, 11–12.30.
Pathological Institute.....Professor Oertel.

C1. Performance of Autopsies—Group Instruction.

Autumn, Winter and Spring Terms. Time according to material.
Pathological Institute.....Dr. Chase and Demonstrators.
Montreal General Hospital.....Professor Rhea and Demonstrators.

ELECTIVE COURSES

B7. Special Pathological Anatomy of Bones.

Spring Term—Thursday, 4 p.m.
Pathological Institute.....Professor Waugh.

B8. Special Hæmatological Technique.

Lectures and demonstrations on the more important hæmatological methods of examining the blood.
Winter Term—Thursday, 4 p.m.
Pathological Institute.....Professor Waugh.

C2. Methods of Post-Mortem Examination, (including the methods of anatomical description and protocoling). For advanced students and physicians preparing for medico-legal practice. Time to be arranged.
Pathological Institute.....Dr. Chase.

C3. Demonstration and Discussion of Specimens Removed at Operation, (including microscopic diagnosis and interpretation). For advanced students.
Autumn, Winter and Spring Terms—Wednesday, 3 p.m.
Pathological Institute.....Professor Waugh.

C4. Clinical Pathological Conferences (see Medical and Surgical Schedules) between surgical and pathological staffs of both hospitals.
To be held in time allotted to them.....Professors Oertel and Rhea with Professors Archibald, Meakins, Howard, Eberts, Gordon, Patch, and Peters.

BACTERIOLOGY

PROFESSOR:—E. G. D. MURRAY.

LECTURERS:— W. W. BEATTIE. F. SMITH.

DEMONSTRATOR:— ————————.

REQUIRED COURSE

Medical Bacteriology.

30 lectures, 90 hours Practical Work and a weekly Tutorial class—Autumn Term, Third Year.

Introductory and Historical Survey, Elements of Morphology and Physiology and a limited classification of Pathogenic Bacteria; Growth, Death and Variation; Sterilization methods, their applications and where and how they may fail; Culture Media and Cultural methods; the process of Infection and Invasion, the Epidemiology, the progress of the disease to healing and death, the tissue reaction and the isolation and identification of the infecting organism in diseases caused by: the Staphylococcus, the Streptococcus (including the Pneumococcus), the Gonococcus and Meningococcus, the Typhoid-Coli-Dysentery group, *Br. militensis, P. pestis, C. tetani* and the Gas-gangrene bacilli, *Cor. diphtheriæ, My. tuberculosis,* the Spirochætes and the Filterable Viruses; the Carrier Problem; Arthropod Vectors; Phagocytosis; Agglutination, Precipitation, Bacterolysis and Hæmolysis and their applications; the Wassermann Reaction; Toxins and Antitoxins, illustrated by Diphtheria, Tetanus, and the Schick, Dick & Schultz-Charlton Reactions; Prophylactic Vaccination.

Pathological Institute.

Professor Murray, Dr. Beattie and Dr. Smith.

ELECTIVE COURSES

1. **General Bacteriology.**

2. **Systematic Bacteriology.**

3. **Immunology.**

For details see the Announcement of the Faculty of Arts and Science (p. 63).

Pathological Institute.....Professor Murray and Dr. Smith.

For advanced courses leading to higher academic degrees see the Announcement of the Faculty of Graduate Studies and Research.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

PROFESSOR AND DIRECTOR:—A. GRANT FLEMING.

STRATHCONA PROFESSOR OF HYGIENE:—T. A. STARKEY.

ASSISTANT PROFESSORS:—R. ST. J. MACDONALD. F. B. JONES.

ASSISTANT PROFESSOR OF MENTAL HYGIENE:—W. T. B. MITCHELL.

ASSISTANT PROFESSOR OF INDUSTRIAL HYGIENE:—FRANK G. PEDLEY.

LECTURER IN MENTAL HYGIENE:—C. M. HINCKS.

DEMONSTRATOR IN MENTAL HYGIENE:—BARUCH SILVERMAN.

DEMONSTRATOR IN INDUSTRIAL HYGIENE:—R. VANCE WARD.

The instruction in Public Health and Preventive Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine.

In order that the importance of Public Health and Preventive Medicine may be kept before the student, short courses are given in the First and Second Years. These courses are of an introductory nature and, from a historical background, develop the needs and opportunities for preventive medicine and its social implications.

The Department aims to correlate the teaching of the preventive aspects of medicine with the teaching of other departments in their special field. In addition, those phases of the subject that are not included elsewhere are covered, such as water, milk and food supplies, public health administration, hygiene of the school child, industrial hygiene and mental hygiene.

The course in Mental Hygiene, included in the teaching of the Department of Public Health and Preventive Medicine, attempts to give the student an understanding of what is possible and of what is being done in the way of preventing nervous and mental diseases, delinquency and crime, and social failure. This implies a knowledge of what is normal in the way of behaviour responses at the different stages of the individual development; of how we may recognize and deal with significant deviations from the average response; the factors underlying individual success and failure; the place and the means of introducing mental health principles into home, school, social and industrial situations.

The hygiene of the child of school age includes, for consideration, the chief points of a school health service, its scope, and the duties of the School Medical Officer, a post frequently undertaken by the general practitioner.

Industrial Hygiene deals with the application of the principles of preventive medicine to industry. The various factors which influence the health of work people are discussed, and the means which may be taken to supervise their health and safety are considered.

In the Third Year, visits of inspection are made to plants selected to illustrate the general principles of water purification, and the modern dairy plant, including pasteurization.

A brief course in Applied Public Health Bacteriology is given to familiarize the student with the facilities available, the method of taking specimens, the methods of examination and the interpretation of laboratory reports on water, milk, sputum, nose and throat swabs.

A health study of the student's home town, or some other place acceptable to the Department, is required before the beginning of the Fifth Year. This study requires individual field work by each student.

Required Courses

1. **Introduction to Public Health and Preventive Medicine.**

   Spring term—Monday, 4 p.m.

   Professors Fleming, Macdonald and Mitchell.

2. **Public Health Organization and Administration.** (Including related community services.)

   Spring term—Wednesday, 9 a.m.

   Professors Fleming and Dawson and Dr. Silverman.

3. **Mental Hygiene.**

   Autumn term—Tuesday, 3 p.m.....Professor Mitchell.

4. **Practice of Preventive Medicine.**

   Spring term—Monday and Friday, 3 p.m.; Wednesday, 2 p.m.

   Professors Fleming, Starkey, Macdonald and Pedley.

5. **Field Visits, Demonstrations and Applied Public Health Bacteriology.**

Spring term—Wednesday, 3 p.m.

6. **Communicable Disease Control.**

Autumn term—Thursday, 4 p.m.. Professors Fleming and Macdonald.

7. **Health Study of a City or Town.**

To be submitted during the month of October of the final year. The student is later required to review this study with a member of the staff.

Text-books and Reference books:—

The General Field:—Parkes and Kenwood; Notter and Firth; Harrington and Richardson; Rosenau; Park; Fitzgerald.

Industrial Hygiene:—The Health of the Industrial Worker, Collis and Greenwood; Industrial Health, Hayhurst, Emery and Kober; Industrial Poisons in the United States, Hamilton.

Mental Hygiene:—The Mental Hygiene of Childhood, White.

School Hygiene:—The Fundamentals of School Health, Kerr.

PHARMACOLOGY AND THERAPEUTICS

PROFESSOR:—R. L. STEHLE.

ASSOCIATE PROFESSOR OF THERAPEUTICS:—D. S. LEWIS.

LECTURER IN PHARMACOLOGY:—K. I. MELVILLE.

LECTURER IN THERAPEUTICS:—D. GRANT CAMPBELL.

LECTURER IN ANÆSTHESIA:—WESLEY BOURNE.

LECTURER IN PHYSIO-THERAPY:—F. W. HARVEY. NORMAN BROWN.

DEMONSTRATORS IN PHARMACOLOGY:—J. B. ROSS. W. DEM. SCRIVER.

PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1. **Pharmacology.** The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

   Three lectures a week during the Spring Term supplemented by one conference and one demonstration a week.

   The conference groups are limited to four students each.

   Drs. Stehle and Melville.

2. **Pharmacological Laboratory.** The experiments are chosen to illustrate the lectures of the preceding course.

   Two periods (six hours) a week during the Spring Term.

   Drs. Stehle and Melville.

THERAPEUTICS

The teaching of therapeutics will be linked closely with that of medicine. Lectures in Course 3 will be interpolated between the uni-

versity lectures in medicine, so that the treatment of each group of diseases will immediately follow their discussion from the medical point of view. Courses 3, 4 and 5 should be completed to registration for Course 6.

Required Courses

3. **Therapeutics.** A series of approximately twenty university lectures on the principles of therapeutics. They will be given at intervals, chiefly during the Winter and Spring Terms, and will be open to members of the Third, Fourth and Fifth Years.

   Professor Lewis and Associates.

4. **Pharmacy and Prescription-writing.** Five lectures and five laboratory periods during the Autumn Term.

   Dr. Scriver.

5. **Clinical Therapeutics.** One ward class per week for ten weeks, in the Autumn, Winter and Spring Terms, at the Royal Victoria and Montreal General Hospitals... Prof. Lewis and Dr. Campbell.

6. **Physio-Therapy.** Three lectures and three periods of group instruction during the Autumn Term.

   Professor Lewis and Drs. Brown and Harvey.

7. **Physiotherapy (Practical).** A course of lectures and demonstrations dealing more fully with the application of physical methods to the treatment of diseases.

   Drs. Brown and Harvey.

Text-books in Pharmacology. Cushny, Sollman, Poulsson, Meyer and Gottlieb.

Options

Suitably prepared persons may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See announcement of the Faculty of Graduate Studies.

MEDICINE

Professor and Director of the Department:—Jonathan C. Meakins.

Professors:—Campbell Palmer Howard.
W. F. Hamilton.
C. F. Martin.

Associate Professor:—A. H. Gordon.

Assistant Professor of Medical Research:—Maude E. Abbott.

Assistant Professor of Medical Research (Biochemistry):—
C. N. H. Long.

Assistant Professors:—E. H. Mason.
C. A. Peters.
I. M. Rabinowitch.

Lecturers:—J. G. Browne, D. G. Campbell, J. Kaufmann,
D. S. Lewis, A. H. MacCordick,
C. F. Moffatt.

Lecturer (Tuberculosis):—J. R. Byers.

Demonstrators:—C. C. Birchard, C. R. Bourne,
G. R. Brow, Keith Gordon,
R. H. M. Hardisty, A. T. Henderson,
C. R. Joyce, H. E. MacDermot,
J. F. MacIver, D. W. McKechnie,
J. L. D. Mason, D. L. Mendel,
E. S. Mills, Lorne Montgomery,
E. V. Murphy, E. E. Robbins,
W. de M. Scriver, Colin Sutherland,
J. J. Walker, J. C. Wickham.

Assistant Demonstrators:—W. W. Alexander, W. C. Gowdey,
H. N. Segall, C. J. Tidmarsh,
W. W. Eakin, N. Feeney,
C. W. Fullerton.

Research Fellow:—R. V. Christie.

PÆDIATRICS

CLINICAL PROFESSOR:—H. B. CUSHING.

LECTURERS:—A. B. CHANDLER, A. GOLDBLOOM, L. LINDSAY, S. GRAHAM ROSS, R. R. STRUTHERS, H. P. WRIGHT.

DEMONSTRATORS:—W. E. ENRIGHT, JESSIE BOYD SCRIVER, R. C. STEWART, W. E. WILLIAMS.

ASSISTANT DEMONSTRATOR:—A. K. GEDDES.

PSYCHIATRY

CLINICAL PROFESSOR:—C. A. PORTEOUS.

ASSISTANT PROFESSOR:—DAVID SLIGHT.

DEMONSTRATORS:—A. G. MORPHY. E. C. MENZIES.

DERMATOLOGY

CLINICAL PROFESSORS:—P. BURNETT. J. F. BURGESS.

DEMONSTRATORS:—C. R. BOURNE. L. P. EREAUX.

Foreword on the Courses in Medicine. The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded by the establishment of a modern medical clinic at the Royal Victoria Hospital. In this institution and at the Montreal General Hospital there are extensive laboratories for

the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The courses in internal medicine and its various branches are so arranged as to give the individual student as much independence as possible in his selection of his instructors and time and place of his required and elective courses. The University lectures and clinical lectures are open to students of all years. The student, therefore, may within wide limits determine the period and scope of his instruction. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

Required Courses

1. A course of University lectures on general medicine which will include infectious diseases, nervous diseases, psychiatry, pædiatrics, and therapeutics. This course will be given in the autumn, winter, and spring terms, on Monday, Wednesday and Friday mornings, from 9 to 10 o'clock. This course of lectures will cover the whole field of medicine during two years and will be delivered at the University Medical Building, by Professors Meakins, Howard, and Assistants.

2. Clinical lectures in general medicine. A course of clinical lectures will be delivered throughout the autumn, winter, and spring terms, on two days a week. The exact hour in the different institutions will be announced from time to time. These clinical lectures will be given in the Royal Victoria Hospital and the Montreal General Hospital, by Professors Meakins, Howard, Hamilton, Gordon, and Assistants.

3. Clinical lectures in pædiatrics. A course of clinical lectures will be delivered in pædiatrics during the autumn, winter, and spring terms, on one day each week, at the Children's Memorial Hospital, by Professor Cushing and Assistants.

4. A course in the technique of physical examination and normal physical signs will be given in the autumn term, two periods a week, from 10.15 to 11.45 a.m., with one clinical lecture per week as a review. This course will be given to groups of students at the Royal Victoria Hospital and the Montreal General Hospital.

5. This course will cover physical examination and abnormal physical signs, the methods of history-taking, and systematic description of the various systems in a logical order. Its objective will be to prepare students for subsequent clinical and bedside work. It will be given in the winter and spring terms, four periods a week of two

hours each, from 10.15 to 12.15, to groups of students, at the Royal Victoria Hospital and the Montreal General Hospital.

6. A course in clinical microscopy will be given in the winter term only. There will be two laboratory periods a week, from 2 to 4 p.m., on Mondays and Fridays, in the Pathological Institute. This course will be organized so as to give instruction and practice in microscopy as applied to clinical medicine.

Doctors Kaufmann, MacCordick, and Assistants.

7. A course in clinical medicine with case reporting and bedside clinics will be given in the autumn, winter and spring terms, to groups of students at the Royal Victoria Hospital and Montreal General Hospital. Each course will occupy five days a week from 10.15 a.m. to 3.45 p.m.

Professors Meakins, Gordon, Peters, and Assistants.

8. A clinical course in pædiatrics will be given during the autumn, winter, and spring terms. This course will have the following divisions:

(a) Diseases of the New-Born—Royal Victoria Montreal Maternity Pavilion.

(b) Normal Infant-Feeding and Development—Montreal Foundling Hospital.

(c) General Pædiatrics—Children's Memorial Hospital, Royal Victoria Hospital, and Montreal General Hospital.

(d) A Series of demonstrations to groups of students on the ordinary acute infectious diseases will be given at the Alexandra Hospital.

Professor Cushing, and Assistants.

This course in its divisions will be given to groups of students.

9. A course in clinical therapeutics will be given in the autumn, winter, and spring terms, of one period a week, one and one-half hour's duration, at the Royal Victoria Hospital and the Montreal General Hospital, by Professor Lewis and Dr. D. Grant Campbell.

10. In the student's final year he becomes virtually a member of the Externe Staff of the teaching hospitals. He may elect to be allotted to the various services in the hospital in the capacity of clinical clerk, participating in the keeping of records, diagnosis and treatment of patients in the wards and Out-Patient Department, and the laboratory duties. He will accompany the physicians in their daily rounds, attend autopsies and report on them to his teachers.

Elective Courses

Elective courses for advanced work are offered in the following subjects: Neurology, psychiatry, dermatology, clinical pathology, cardiology, hæmatology, diseases of the lungs, gastro-intestinal diseases, et cetera. The details of these elective courses will be announced at the beginning of each session.

It will be necessary for each student, in addition to taking the required courses, to choose a certain number of elective courses, the number chosen depending upon which elective courses are taken.

Text and Reference Books

General Medicine:—McLeod, "Physiology and Biochemistry in Modern Medicine"; Lewis, "Clinical Electrocardiography" and "Clinical Disorders of the Heart"; Meakins and Davies, "Respiratory Function in Disease"; Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Cabot, "Physical Diagnosis"; Thompson, "Elements of Surface Anatomy"; Lusk, "Science of Nutrition"; McLester, "Nutrition and Diet in Health and Disease"; Krehl, "Basis of Clinical Symptoms"; Osler's "Practice of Medicine"; Taylor's "Practice of Medicine"; Nelson's "Loose-Leaf System of Medicine"; Oxford, "Loose-Leaf System of Medicine"; Dieulafoy, "The text-book of Medicine"; Strumpell, "Text-book of Medicine for Students and Practitioners'; McKenzie, "Diseases of the Heart"; Purves Stewart, "Diagnosis of Nervous Diseases"; Bassler, "Diseases of the Stomach and Intestines"; Pharneo, "Teaching Hospitals."

Pædiatrics:—Holt and Howland; Dennet; Feer, Still; Porter and Carter; Morse and Talbot; Alan Brown.

Psychiatry:—White, "Outlines of Psychiatry; Kraeplin, "Clinical Psychiatry"; Wimmes Hoisholt, "Psychiatric Neurological Examination Methods"; Jeliffe and White (1923 Ed.), "Diseases of the Nervous System."

Dermatology:—Stellwagon; Walker's Introduction to Dermatology; Hartzell; McLeod; Darier; Campbell; Shamberg; Sutton.

HISTORY OF MEDICINE

Professor:—Sir Andrew Macphail.

A course of fifteen lectures will be given upon the History of Medicine to inform undergraduates in the Faculty upon the progress of the science. It is the intention to examine the causes which produced the varying conceptions of medicine in times past, rather than burden the student with a narration of facts and a recital of biographies.

NEUROLOGY AND NEUROSURGERY

CLINICAL PROFESSOR OF NEUROSURGERY AND CHAIRMAN:—
WILDER PENFIELD.

CLINICAL PROFESSORS OF NEUROLOGY:—
COLIN RUSSEL.
F. H. MACKAY.

ASSISANT PROFESSOR OF NEUROLOGY AND NEUROSURGERY:—
WILLIAM CONE.

LECTURER IN NEUROLOGY AND MADELEINE EHRET OTTMAN FELLOW:—
J. N. PETERSON.

LECTURERS IN NEUROLOGY:—
A. W. YOUNG.
N. VINER.

ASSISTANT DEMONSTRATOR IN NEUROLOGY:—A. R. ELVIDGE.

ASSISTANT DEMONSTRATOR IN NEUROPATHOLOGY:—I. M. TARLOV.

RESEARCH FELLOWS IN NEUROLOGY AND NEUROSURGERY:—
G. CHOROBSKI.
E. L. GAGE.

The Department of Neurology and Neurosurgery has been created in its present form during the past year. It will co-operate intimately with the Departments of Medicine and Surgery, both as regards the teaching programme and the clinical work at the hospitals.

SURGERY

PROFESSOR AND DIRECTOR OF THE DEPARTMENT:—
E. W. ARCHIBALD.

PROFESSORS:—
A. T. BAZIN.
E. M. EBERTS.

ASSISTANT PROFESSORS:—
W. L. BARLOW.
C. B. KEENAN.
C. K. P. HENRY.
F. A. C. SCRIMGER.

LECTURERS:—
F. B. GURD, F. E. MCKENTY.
F. J. TEES.

LECTURER IN ANÆSTHESIA:—W. B. HOWELL.

DEMONSTRATORS:—
JOHN ARMOUR, E. B. CHANDLER.
GUY JOHNSON, R. R. FITZGERALD.
L. H. MCKIM, A. STEWART.

DEMONSTRATORS IN ANÆSTHESIA:—
J. W. ARMSTRONG.
C. C. STEWART.

ASSISTANT DEMONSTRATORS:—
HOWARD DAWSON, H. M. ELDER.
G. A. FLEET, MARK KAUFMANN.
G. GAVIN MILLER, ALBERT ROSS.
DUDLEY ROSS, P. G. SILVER.

see p. 68

UROLOGY

CLINICAL PROFESSORS:—{ D. W. MACKENZIE. / F. S. PATCH.

LECTURER:—R. E. POWELL.

DEMONSTRATOR:—M. SENG.

ORTHOPÆDIC SURGERY

CLINICAL PROFESSORS:—{ W. G. TURNER. / J. A. NUTTER.

LECTURER:—W. J. PATTERSON.

DEMONSTRATOR:—N. T. WILLIAMSON.

Foreword on the Courses in Surgery. Instruction in Surgery (and in the surgical specialties) is imparted in the form of didactic lectures, theatre clinics, ward and out-patient teaching.

The *didactic* lectures, which cover a period of two years (120 lectures) are not designed to cover the whole field of general and special surgery, but rather to present a few selected subjects thoroughly. Surgery as a whole must be studied in the recommended text books. The early lectures of this course, being introductory, are offered particularly to students who are beginning their clinical work (7th term). They deal with the fundamental principles of inflammation, wound healing, new growths and congenital abnormalities.

The *theatre clinics* in both hospitals will demonstrate, in so far as is possible, the whole field of general surgery and the surgical specialties. In the earlier terms instruction will be given in the commoner ailments of general surgery, while during the later periods the special subjects of orthopædics, genito-urinary-surgery, neuro-surgery and thoracic surgery will be given a due proportion of the time.

In the *wards and out-patient departments,* instruction can be given to smaller groups. In these classes one may more readily differentiate elementary instruction from that given to more advanced students. In other words, to the junior group are taught the principles of careful history taking, of physical examination and of accurate observation.

Later comes instruction in minor surgery, the dressing of wounds, bandaging and the application of splints—while to the advanced students is demonstrated major surgery from selected cases in the wards and operating theatre. Such advanced students are given patients in rotation

and become ward dressers. The specific duty is laid upon them of recording the case histories, making all necessary examinations and laboratory tests, and of assisting at operations. Group teaching at the bed-side, and ward rounds are added to their training, and they are given all the privileges of an externe of the surgical service.

Required Courses

1. Didactic Lectures.

Three times weekly for the first two terms; 9–10 a.m., in the Medical School.....Professor Archibald and staff.

2. Theatre Clinics.

Twice weekly throughout the session, 12.30 p.m., at both general hospitals. These clinics are open to all students from the seventh terms onwards.....Professors Archibald and Bazin and staff.

3. Ward and Out-Patient Instruction.

Four times weekly, 10.30 a.m. to 12 p.m., in groups to be arranged in both general hospitals.
Independent ward work can be done by those to whom cases are allotted at any time during the day excepting the meal and visiting hours.

4. Surgical Specialties.

The surgical specialties are taught in the later periods—to some extent in didactic lectures and theatre clinics—but chiefly in the wards and out-patient departments.

5. Anæsthesia.

Didactic lectures and laboratory demonstrations of anæthesia are given by the Department of Pharmacology and Therapeutics to the students of the earlier clinical years, while practical instruction in the administration of anæsthetics is given in the hospital to the more advanced students. Every student is obliged to furnish a certificate of having given at least six anæsthetics under supervision.

Elective Courses

The following Elective Courses will be given at the Royal Victoria Hospital, while those to be given at the Montreal General Hospital will be announced later:

1. **Surgical Pathology.**

A lecture-demonstration course upon specimens from the operating-room and from the Pathological Museum in co-operation with the Pathological Department—cf. Department of Pathology, Course C3—Wednesdays, 3 p.m.....Professor Waugh and Dr. Wilkie.

2. **Neurological Examination, Diagnosis and Treatment of Skull Injuries.**

Once a week for six weeks during each term.....Dr. Cone.

3. **Diagnosis and Surgical Treatment of Pulmonary and Pleural Diseases.**

Once a week during the autumn and winter terms.
Drs. Archibald and Bethune.

4. **Applied Anatomy in Surgical Cases.**

Once a week.....Dr. Armour.

Text-books:—

1. *General Surgery:* Choyce, C. C., "A System of Surgery"; Thomson and Miles, "Manual of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; John Homans, M.D., "A Text-book of Surgery."

2. *Emergency Surgery:* Sluss, John W., "Manual of Emergency Surgery."

3. *Surgical Anatomy:* Treves' "Surgical Applied Anatomy."

4. *Fractures:* Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations."

5. *Case Reporting:* White, J. Renfrew, "The Clinical Examination of Surgical Cases."

6. *Urology:* Keyes' Urology.

Collateral Reading: Lewis' System of Surgery, vols. 8–9; Eisendrath and Rolnick, Urology; Young, Urology; Stokes, Modern Clinical Syphilogy.

7. *Orthopædic Surgery:*—Whitman's "Orthopædic Surgery"; Fraser, "Tuberculosis of Bones and Joints of Children"; Tubby and Jones, "Surgery of Paralysis"; Jones, "Orthopædic Surgery of Injuries"; Jones and Lovett, "Orthopædic Surgery."

OBSTETRICS AND GYNÆCOLOGY

PROFESSOR AND CHAIRMAN:—J. R. FRASER.

PROFESSOR:—H. M. LITTLE.

CLINICAL PROFESSORS:—H. C. BURGESS. J. W. DUNCAN. J. R. GOODALL.

LECTURER:—W. A. G. BAULD.

DEMONSTRATORS:—A. D. CAMPBELL. DOUGLAS GURD. IVAN PATRICK. ELEANOR PERCIVAL.

CLARA LAW FELLOW AND DEMONSTRATOR:—P. J. KEARNS.

ASSISTANT DEMONSTRATORS:—STEWART HENRY. N. W. PHILPOTT. C. V. WARD.

OBSTETRICS

REQUIRED COURSES

1. An introductory course of thirty lectures on the fundamental principles of the subject dealing with the Anatomy, Embryology, Physiology and Pathology of the Pelvic Organs.
   The Medical School. Three times a week—Spring Term.
   Professor Fraser.

2. **Clinical instruction** during the year in the Royal Victoria Montreal Maternity Pavilion, including the conduct of labor and the puerperium in case room and wards, together with ante-natal care in the out-patient department.
   Autumn, Winter and Spring Terms.

3. **Special courses in obstetrical palpation** and on the mannikin daily throughout the session with the aid of models, diagrams and lantern slides. Autumn, Winter and Spring Terms.

4. **Clinical conference** once weekly in the theatre throughout the year for the entire class, where living cases are presented illustrating the more important obstetrical conditions.
   Autumn, Winter and Spring Terms.

5. **Group Instruction.** The teaching in the final year is conducted entirely by senior teachers.
Small groups of students are instructed in the Wards, Case Rooms and Out-patient Department in methods of examination, problems of delivery and the principles of treatment.

6. **Lecture Demonstrations** in the theatre are held daily during each term on the following subjects:—
A. Dystocia.....Professor Little.
B. Hæmorrhages of Pregnancy. Labor and the Puerperium. Professor Burgess.
C. Toxæmia of Pregnancy.....Professor Duncan.
D. Puerperal Infection.....Professor Goodall.

Note: Rooms are provided in the new pavilion where the students may reside, in groups of six, for a period of two weeks. During his period of interneship the student will under supervision deliver patients both in hospital and at their homes, and will undertake the medical care of mother and child during the puerperium.

GYNÆCOLOGY

1. Theatre clinics and bed-side instruction in the Royal Victoria and Montreal General Hospitals....Professors Fraser, Little and Staff.

2. A special course on Gynæcological Pathology..Dr. P. J. Kearns.

3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.

4. A special course of instruction, once a week, throughout the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray..Dr. Bauld and Staff.

OPHTHALMOLOGY

PROFESSOR:—W. GORDON M. BYERS.

CLINICAL PROFESSORS:—
- G. H. MATHEWSON.
- S. H. MCKEE.
- F. T. TOOKE.

DEMONSTRATORS:—
- A. G. MCAULEY.
- J. A. MACMILLAN.

ASSISTANT DEMONSTRATORS:—
- A. BRAMLEY-MOORE.
- S. O. MCMURTRY.
- STUART RAMSEY.
- J. ROSENBAUM.

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses:—

1. **Routine examination of the eye.**

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.

Professors Byers, Tooke, McKee and members of the Staff.

2. **Lecture demonstrations.**

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential concepts for the clinical work of the Fifth Year.

Ten hours.....Professor Byers.

3. **Clinical Ophthalmology.**

In the Final Year, the entire available time is devoted to an intensive study of the ocular problems that are of greatest moment in general practice—the external diseases of the eye, and the main ophthalmoscopic findings in systemic disorders and affections of the nervous system; with practical lessons in ophthalmic nursing and first aid. This work is conducted in the ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals.

Professors Byers and Mathewson and Staff.

Text-books:—Parsons, May, Swanzy, De Schweinitz, Fuchs.

OTO-LARYNGOLOGY

PROFESSOR:—HAMILTON WHITE.

LECTURERS:—G. E. HODGE. J. T. ROGERS.

DEMONSTRATORS:—D. H. BALLON. K. O. HUTCHISON. W. J. MCNALLY. J. E. TREMBLE. B. F. MACNAUGHTON. P. WRIGHT.

ASSISTANT DEMONSTRATOR:—A. E. LUNDON.

The course of instruction in Oto-Laryngology is carried on in the wards and out-patient departments of both the Montreal General and the Royal Victoria Hospitals, where, owing to the large clinics, the students are afforded ample opportunity of receiving practical instruction in these subjects. In these two hospitals there are about fifty beds set apart for this specialty.

The courses are designed to afford the student the opportunity of acquiring the oto-laryngological knowledge required by every general practitioner. The practical work is conducted in small groups, so that the personal instruction and supervision, so essential in this subject, are given to each student.

1. Introductory Course.

Group instruction in:—(a) The normal anatomy of the ear, nose and throat, as exemplified in moist dissections, dried specimens, models, stereoscopic plates and radiograms of normal conditions of the accessory sinuses of the nose and mastoid process; (b) the method of using the various instruments for examining the ear, nose and throat; (c) the usual tests for hearing; (d) the recognition of normal conditions of these special organs, as exemplified by clinical material.....Professor White and Staff.

2. Lecture Course.

Ten lectures upon the more common pathological conditions of the ear, nose and throat met with in general practice.

Professor White.

3. Clinical Oto-Laryngology.

A course of clinical instruction in the out-patient departments and wards of the hospitals.....Professor White and Staff.

Text-books:—Chevalier Jackson and Coates; St. Clair Thomson; A. Logan Turner; H. Tilley; Kerrison; Phillips; Barnhill.

GRADUATE INSTRUCTION

1. Any graduate who so desires may attend any of the regular undergraduate courses. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.

2. **Special graduate work** is offered in every department, both in the laboratories and in the clinics, at any period during the year, provided the graduate is willing to assign himself for serious work to one service. Application for this privilege should be made to the Dean or to the Head of the Department in which the graduate desires to occupy himself.

Vide under heading of "Departments of Physiology, Pathology, Anatomy, Hygiene, etc."

3. **Course for Diploma of Public Health:** This course is specially designed as a thorough training for medical men undertaking the duties of a Medical Officer of Health.

The duration of the course is at least eight months (October 1st to May 31st).

The curriculum is as follows:—

(a) A course of lectures dealing in a comprehensive manner with the general principles of public health and preventive medicine.

(b) Bacteriology—a full practical course in general bacteriology, with special application to public health.

(c) (1) *Sanitary Chemistry.* Examination of air, water and water supplies in general, the commoner foods and beverages, sewage and sewage effluents, etc.; chemical investigations connected with trades and occupations; (2) *Physics.* General principles only in their application to hygiene.

(d) Practical public health work. An extended course under a M.O.H., affording facilities for instruction in public health relating to housing, factories, work-shops and industrial establishments, schools, waterworks, sewage plants, refuse distribution, abattoirs, dairies and milk stations, welfare centres, etc., etc.

(e) Public health legislation and administration. Statutes and by-laws relating to public health and the powers of health authorities; administration of the office of a Medical Officer of Health.

(f) Vital statistics. Calculation and tabulations of returns of births, marriages and deaths and diseases.

(g) Meteorology and climatology; geographical and topographical distribution of disease.

Candidates for this diploma may claim exemption in any of the above subjects on presentation of adequate certificates.

Qualification for the diploma includes a knowledge of communicable diseases, of child hygiene and mental hygiene, the use of meteorological, hygienic and sanitary apparatus.

The successful candidate must further know the appearance of healthy and diseased tissues of animals, and their microscopic examination.

Finally, he must show a capacity to formulate a report on public health conditions in an actual locality and make annual and other reports as required by Officers of Health.

These examinations are written, oral and practical.

The fee for the course, including the diploma, is $100.00.

4. **Special Courses.** Graduates desiring instruction in any special branch of Public Health and Preventive Medicine, such as School Health Services and Industrial Hygiene, should apply to the Head of the Department. Courses will be arranged, suitable for the applicants, in order that they may receive full benefit from the time devoted to the course.

BUILDINGS

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over $600,000, contains the Offices of Administration, the Medical Library (with its 38,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Histology, Hygiene, Pharmacy, and the magnificent Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department.

The Department of Histology and Embryology, too, has excellent facilities, with laboratory space for 120 students, and smaller laboratories for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over $500,000, this edifice was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This Building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology, Bacteriology and Medical Jurisprudence, and includes a Pathological Museum and museum workshops. It combines under one roof, quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. From the

latter it draws chiefly its material. It was constructed at a cost of $460,000; is of Montreal limestone; its main front is 242 feet long; the north end is 77 feet wide and the south end 60 feet. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and geographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University as well as with clinical facilities is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.
Montreal General Hospital.
Children's Memorial Hospital.
Foundling Hospital.
Alexandra Hospital for Infectious Diseases.
Protestant Hospital for the Insane.
Royal Edward Institute for Tuberculosis.
The Royal Victoria Montreal Maternity Hospital.

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 2,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 680 beds. During 1930 it cared for 14,597 cases, while in its outdoor department 82,952 cases were treated. Many new additions have been made to the Hospital. A modern University Medical Clinic was established in 1924.

There were 273 post-mortems during 1930.

The number of resident physicians is 40.

The Royal Victoria-Montreal Maternity Pavilion, with 200 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 100 teaching beds and an organized out-

patient service which is of the greatest benefit to the undergraduate student. During the year 1930 the obstetrical service cared for 2,723 cases, with 2,645 confinements in the Hospital and 408 in the Out-patient Service, a total of 3,053. In the gynæcological section, 1,359 cases were admitted during the year.

There are seven resident physicians.

The Montreal General Hospital is a general hospital for the treatment of acute diseases and contains 404 beds. In 1930 there were 7,496 admissions to its wards. The large, reconstructed out-patient department, probably the finest in this country, received last year 149,740 visits. Many modern additions to the original buildings have been made, and recently a large biochemical laboratory has been erected and completely equipped.

There were 344 post-mortems during the year.

The number of resident physicians is 40.

The Dental Clinic of the University, completed in 1921, has 50 dental chairs with a large and varied clientele.

The Western Division of the Montreal General Hospital—The Western General Hospital. A hospital for the treatment of acute diseases, with 85 beds. It is hoped that this hospital will soon afford additional opportunities for teaching. The post-mortem and surgical material is now being used for teaching. During the year 1930 there were 1,847 admissions to the wards and 11,116 patients were treated in the out-patient department.

There were 68 autopsies during the year.

The number of resident physicians is 7.

The Children's Memorial Hospital has 200 public beds, and, in 1930, admitted 1,153 patients. The attendance at its out-door department totalled 11,738 patients. This hospital, while primarily for orthopædic cases, now admits all varieties of patients, and enables the students to get a broad conception of pædiatrics. Of special interest are the newly-built wards with cubicles, the Departments of Remedial Gymnastics, the Open-air Pavilion, and the well-equipped out-patient service.

There were 97 autopsies during the year.

The number of resident physicians is 7.

A summer course, lasting four weeks, has for several years enabled students and practitioners to become acquainted with many of the most important phases of modern pediatrics.

The Montreal Foundling and Baby Hospital affords a large amount of clinical material for students, and gives special facilities for the consideration of infant feeding. There are 75 beds. In connection with this institution, there is a largely-attended Baby Welfare Clinic for mothers seeking advice as to the care of the normal child, and of themselves.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 170 beds, and, in 1930, 1,326 patients were admitted to the hospital. There were 30 autopsies.

The number of resident physicians is 4.

The Protestant Hospital for the Insane at Verdun has 630 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of psychiatry with the teachers. Occupational therapy is emphasized.

The Royal Edward Institute—a dispensary for tuberculosis —offers adequate material for teaching students, in groups, the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

HONORARY LIBRARIAN:—DR. C. F. WYLDE.

ASSISTANTS:—MISS C. DAVIDSON, B.A.
MISS EDITH R. GORDON.
MISS BEATRICE V. SIMON.

"The history of the Library is the history of the Faculty."
Professor Hall.

The Library occupies the central part of the Medical Building, the whole front of the second and third floors, as well as a portion of the first floor. On the third floor is the magnificent reading room, 76 x 24 feet, exceptionally well lighted, and capable of accommodating seventy-five readers. On this floor also are the journal room and private office. The second floor contains the stack room, the book stacks at present containing about 45,000 volumes, and having a total capacity of sixty thousand volumes; also three study rooms. On the first floor are the cataloguing rooms, offices and pamphlet room.

A special feature of the Library is the journal collection, and every effort is being made to complete this section as far as possible, and thus to increase the value of the reference department of the Library. Through the generosity of interested friends there is also a valuable collection of approximately one thousand volumes of early works on the History of Medicine, dating from the fifteenth century. These can be consulted at the Library.

A complete journal collection is listed in the Catalogue of Scientific Periodicals in Canadian Libraries, and also in the Union List of Serials, published by the W. H. Wilson Company.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other colleges showing proper credentials, and registered nurses. It is felt that graduates living at a distance are not aware of the fact that books may be borrowed from the Library on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during term from 9 a.m. to 9.30 p.m., except Saturdays, when it is closed at 5 p.m. After June 1st it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

LIBRARIAN:—W. W. FRANCIS.

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises about 7,600 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue has been completed, indexed, and printed since his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 136 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers, but the books may not be borrowed or removed from the Library.

MEDICAL SOCIETIES

1. THE McGILL MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

(1) To transact all matters of business connected with the undergraduate body.

(2) To stimulate interest along medical lines.

(3) To assist students to express themselves in public with facility.

(4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers, are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly

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Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

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MONTREAL



[101]

ANNOUNCEMENT

OF THE

FACULTY OF MEDICINE

FOR THE SESSION 1932-33

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ANNOUNCEMENT

OF THE

FACULTY OF MEDICINE

FOR THE SESSION 1932-33

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TABLE OF CONTENTS

	Page
Administrative Officers	5
Admission to Medicine	29
Anatomy	44
Assistant and Clinical Professors	9
Athletics	30
Bacteriology	53
Biochemistry	49
Board and Lodging	33
Buildings	74
Calendar	6
Cost of Course	33
Course for the Degree of M.D., C.M	34
Courses of Lectures	44
Demonstrators	13
Dermatology	60
Diploma of Public Health	72
Dominion Registration	42
Embryology	45
Emeritus Professors	7
Entrance Requirements	28
Examinations	35
Expenses	33
Faculty, Members of	7
Fees	31
Fellowships	39
General Council of Medical Education	42
Grading	37
Graduate and Advanced Courses	72
Gynæcology	68
Health	30
Histology	45
Historical Summary	19
History of Medicine	63
Hospitals	75
Hygiene	55, 72
Lecturers	11
Library	78

CONTENTS—Continued

	Page
Medals	38
Medical Examination	30
Medical Societies	80
Medicine	59
Members of Faculty since its origin	22
Microscopes, Purchase of	32
Neurology and Neurosurgery	64
Obstetrics	68
Officers of Faculty since its origin	22
Officers of Instruction	7
Ophthalmology	69
Orthopædic Surgery	65
Osler Library	79
Osler Society	81
Oto-Laryngology	70
Pathological Chemistry	49
Pathology	50
Paediatrics	60
Pharmacology	57
Physical Examination	30
Physiology	46
Preventive Medicine	54
Prizes	38
Professors	7
Promotion	37
Psychiatry	60
Psychology	48
Public Health	54
Reciprocity with Great Britain	42
Registration	29
Requirements for Degree of M.D., C.M.	41
Requirements for Licence	41
Scholarships	39
Surgery	64
Therapeutics	57
Urology	65
Vaccination	30

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CALENDAR OF THE FACULTY OF MEDICINE FOR THE SESSION 1932-33

1932

Monday,	Sept.	5th	Autumn Examinations begin.
Wednesday	"	7th	Register opens for students in Medicine.
Wednesday	"	14th	Autumn Term begins.
Thursday,	Oct.	6th	Founder's Day. Convocation for conferring Degrees. Opening address for the session. Register closes for the session.
Friday,	"	14th	Sports Day. No lectures.
Monday,	Nov.	11th	Remembrance Day. No lectures.
Tuesday,	"	22nd	Autumn Term ends.
Wednesday,	"	23rd	Winter Term begins.
Wednesday,	Dec.	21st	Last day of lectures before Christmas.

1933

Thursday,	Jan.	5th	Lectures resumed.
Tuesday,	Feb.	14th	Winter Term ends.
Wednesday	"	15th	Spring Term begins.
Wednesday	Mar.	1st	Ash Wednesday. No lectures.
Friday,	Apr.	14th	Good Friday. No lectures.
Saturday	"	15th	No lectures.
Monday,	"	17th	No lectures.
Tuesday	"	25th	Spring Term ends.
Thursday,	May	25th	Convocation for Conferring Degrees.

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John Armour, M.D., C.M., M.Sc.
Demonstrator in Surgery. Royal Victoria Hospital.

R. R. Fitzgerald, B.Sc., M.D., C.M.
Demonstrator in Anatomy and Surgery. 719 Medical Arts Building.

H. M. Elder, M.D., C.M.
Demonstrator in Anatomy and Assistant Demonstrator in Surgery.
Medical Arts Building.

P. G. Silver, M.D., C.M.
Demonstrator in Anatomy and Assistant Demonstrator in Surgery.
1414 Drummond St.

W. de M. Scriver, B.A., M.D., C.M., F.R.C.P. (Canada).
Demonstrator in Pharmacology and in Medicine.
Royal Victoria Hospital.

G. Gavin Miller, M.Sc., M.D., C.M., F.R.C.S. (Canada).
Demonstrator in Surgery. 1390 Sherbrooke Street West.

G. R. Brow, M.D., C.M., F.R.C.P. (Canada).
Demonstrator in Medicine. Royal Victoria Hospital.

Jessie Boyd Scriver, B.A., M.D., C.M., F.R.C.P. (Canada).
Demonstrator in Pediatrics. Royal Victoria Hospital.

R. Vance Ward, M.D., C.M.
Demonstrator in Industrial Hygiene. 561 Cote St. Catherine Road.

E. H. Cayford, B.A., M.D., C.M.
Demonstrator in Anatomy. Medical Arts Building.

E. B. Chandler, M.D., C.M.
Demonstrator in Surgery. Medical Arts Building.

R. M. H. Power, M.D., C.M.
Demonstrator in Anatomy. 1610 Sherbrooke Street West.

D. A. Ross, M.Sc.
Demonstrator in Physiology. Biological Building.

L. P. Ereaux, B.Sc., M.D., C.M.
Demonstrator in Dermatology. 1390 Sherbrooke St. W.

B. Silverman, M.D., C.M.
Demonstrator in Mental Hygiene. 531 Pine Avenue W.

J. B. Ross, M.D., C.M., F.R.C.P. (Canada).
Demonstrator in Pharmacology and in Medicine.
1538 Sherbrooke St. W.

R. Percy Wright, M.D., C.M., F.R.C.S. (Canada).
Demonstrator in Oto-Laryngology. 1414 Drummond St.

Keith Hutchison, M.D., C.M.
Demonstrator in Oto-Laryngology. 1509 Sherbrooke Street West.

W. J. McNally, B.A., M.Sc., M.D., D.L.O., R.C.P. & S. (Eng.).
Demonstrator in Oto-Laryngology. Medical Arts Building.

G. Edward Tremble, M.D., D.L.O., and R.C. of S. (Eng.), F.R.C.S. (Canada).
Demonstrator in Oto-Laryngology. 1390 Sherbrooke Street West.

A. L. Wilkie, B.A., M.D., C.M.
Demonstrator in Surgery. 1374 Sherbrooke St. W.

E. C. MENZIES, M.D., C.M.
Demonstrator in Psychiatry. Protestant Hospital, Verdun.

B. F. MACNAUGHTON, M.D., C.M.
Demonstrator in Oto-Laryngology. 604 Medical Arts Building.

DUDLEY E. ROSS, M.Sc. M.D., C.M.
Demonstrator in Surgery. 1538 Sherbrooke St. W.

J. R. DEAN, M.D., C.M.
Demonstrator in Histology and in Anatomy. 5051 Verdun Ave.

G. GAVIN MILLER, M.D., C.M., F.R.C.S. (Canada).
Demonstrator in Surgery. 1390 Sherbrooke St. W.

J. R. LOCHHEAD, M.D., C.M.
Demonstrator in Anatomy. 2250 Dorchester St.

H. G. PRETTY, M.D., C.M.
Demonstrator in Anatomy. 1414 Drummond St.

F. D. ACKMAN, M.D., C.M.
Demonstrator in Anatomy. 1374 Sherbrooke St. W.

D. H. STARKEY, B.A., M.D., C.M.
Demonstrator in Bacteriology. Pathological Institute.

Raginsky, B., M.D.
Demonstrator in Pharmacology. 376 Redfern Ave.

G. A. FLEET, M.Sc., M.D., C.M.
Assistant Demonstrator in Surgery. 1500 Crescent St.

A. ROSS, M.C., B.A., M.D., C.M.
Assistant Demonstrator in Surgery. 5027 Sherbrooke Street W.

J. ROSENBAUM, M.D., C.M.
Assistant Demonstrator in Ophthalmology. 1396 St. Catherine Street W.

A. BRAMLEY-MOORE, B.A., M.D., C.M.
Assistant Demonstrator in Ophthalmology. 1440 Crescent St.

W. C. GOWDEY, M.D., C.M.
Assistant Demonstrator in Medicine.
4492 Sherbrooke Street, Westmount.

W. W. ALEXANDER, M.D., C.M.
Assistant Demonstrator in Medicine. 3793 Harvard Avenue.

S. O. MCMURTRY, B.A., M.D., C.M.
Assistant Demonstrator in Ophthalmology. 1433 Stanley St.

G. A. STUART RAMSEY, B.A., M.D., C.M.
Assistant Demonstrator in Ophthalmology. 1496 Mountain St.

H. N. SEGALL, M.D., C.M.
Assistant Demonstrator in Medicine. Medical Arts Building.

HOWARD DAWSON, B.A., M.D.
Assistant Demonstrator in Surgery. 1538 Sherbrooke St. W.

A. E. LUNDON, M.D., C.M., D.P.H.
Assistant Demonstrator in Oto-Laryngology. 1501 Crescent St.

C. J. TIDMARSH, M.A., M.D., C.M., F.R.C.P. (Canada).
Assistant Demonstrator in Pharmacology and in Medicine.
1390 Sherbrooke Street West.

MARK KAUFMANN, M.D., C.M.
Assistant Demonstrator in Surgery. Medical Arts Building.

A. K. GEDDES, M.D., C.M.
Assistant Demonstrator in Pædiatrics. 1555 Mackay Street.

W. W. EAKIN, M.D., C.M.
Assistant Demonstrator in Medicine. 1538 Sherbrooke St. W.

J. S. HENRY, M.D., C.M.
Assistant Demonstrator in Obstetrics and Gynæcology.
1538 Sherbrooke Street West.

N. W. PHILPOTT, M.D., C.M.
Assistant Demonstrator in Obstetrics and Gynæcology and in Embryology. 1610 Sherbrooke Street West.

C. V. WARD, M.D., C.M.
Assistant Demonstrator in Obstetrics and Gynæcology.
1374 Sherbrooke St. W.

NEIL FEENEY, B.A. (Laval), M.D., C.M.
Assistant Demonstrator in Medicine. 1414 Drummond St.

C. W. FULLERTON, M.D., C.M.
Assistant Demonstrator in Medicine. 1538 Sherbrooke St. W.

A. R. ELVIDGE, M.D., C.M., Ph.D., F.R.C.S. (Canada).
Assistant Demonstrator in Neurosurgery. Royal Victoria Hospital.

E. L. GAGE, M.D.
Assistant Demonstrator in Neuropathology. Royal Victoria Hospital.

C. M. GARDNER, M.D., C.M.
Assistant Demonstrator in Pathology. Montreal General Hospital.

T. E. ROY, B.A., M.D., C.M.
Assistant Demonstrator in Pathology. Montreal General Hospital.

C. A. MACINTOSH, M.D., C.M.
Assistant Demonstrator in Surgery. Medical Building.

B. USHER, M.D., C.M.
Assistant Demonstrator in Dermatology. 1538 Sherbrooke St. West.

R. G. BOYD, B.A., M.D., C.M.
Assistant Demonstrator in Pathology. Pathological Institute.

R. D. BISSON, M.D., C.M.
Assistant Demonstrator in Pathology. Pathological Institute.

G. C. JOHNSTON, M.D., C.M.
Assistant Demonstrator in Pathology. Pathological Institute.

R. J. NELSON, M.D., C.M.
Assistant Demonstrator in Pathology. Pathological Institute.

FELLOWS

R. V. CHRISTIE, M.B., Ch.B. (Edin.).
Research Fellow, University Medical Clinic.
Royal Victoria Hospital.

P. J. KEARNS, M.Sc., M.D., C.M.
Clara Law Fellow and Demonstrator in Obstetrics and Gynæcology. Pathological Institute.

R. L. KUTZ, M.Sc. (Alberta).
Research Fellow in Biochemistry. Biological Building.

L. I. PUGSLEY, B.A., (Acadia), M.Sc.
Research Fellow in Biochemistry. Biological Building.

G. PHILLIPS, M.D.
Research Fellow in Neurology and Neurosurgery.
Royal Victoria Hospital.

G. STAVRAKY, M.D., C.M.
Research Fellow in Neurology and Neurosurgery.
Royal Victoria Hospital.

E. H. BENSLEY, M.D.
Research Fellow in Biochemistry. Biological Building.

T. GRANT, M.D.
Research Fellow in Neurology and Neurosurgery.
Royal Victoria Hospital.

J. KIRSCHMAN, M.D., C.M.
Research Fellow in Neurology and Neurosurgery.
Royal Victoria Hospital.

A. TORKILDSEN, M.D.
Research Fellow in Neurology and Neuosurgery.
Royal Victoria Hospital.

HISTORICAL SUMMARY

(Faculty of Medicine)

1821-1930

1744	James McGill, born October 6th (Founder's Day). Died 1813.
1801–02	Royal Institution for Advancement of Learning contemplated by Provincial Act of Parliament.
1811	Will by James McGill leaving landed estate and £10,000 to Royal Institution for Advancement of Learning for founding a University.
1818	Royal Institution for Advancement of Learning incorporated. Montreal General Hospital opened on original site on St. Lawrence Street.
1821	Royal Charter granted to the Royal Institution for the Advancement of Learning for the foundation of McGill College. Cornerstone of new Montreal General Hospital laid.
1822–24	Montreal Medical Institution organized as a Medical School by Officers of Montreal General Hospital. At opening lecture at No. 20 St. James Street on October 28, 1924, there were four teachers and twenty-five students.
1829	Estate of James McGill surrendered by residuary legatee. First meeting of Governors at Burnside House. Montreal Medical Institution "engrafted upon" McGill University as its Medical Faculty. First session of Faculty of Medicine.
1831	Medical Faculty petitioned Legislature for permission to grant degrees, and framed statutes to fulfil conditions of charter for same by order of Solicitor-General.
1832	Statutes approved and permission to confer degrees granted to Medical Faculty, and Professorships granted by Crown to Drs. Holmes, Caldwell, Robertson and Stephenson.
1833	First University degree conferred in Medical Faculty upon W. Logie.
1836–37	Faculty removed to building next to present Bank of Montreal.
1840	Faculty removed to St. George Street.
1842	Arts Building erected on University grounds, where medical lectures were held 1845–51.
1852	Faculty removed to Côté Street.
1855	Sir William Dawson appointed Principal.
1860	Geo. W. Campbell appointed Dean, serving until 1882.
1872	First independent Medical Faculty building on University ground. Graduation of William Osler.

1882	Geo. W. Campbell Memorial Fund for Medical Faculty ($50,000); Leanchoil Endowment Fund for Medical Faculty (Lord Strathcona, $50,000). R. P. Howard appointed Dean.
1885	New laboratories erected in Medical Building (Lord Strathcona, $100,000).
1889	Robert Craik appointed Dean—George Ross, Vice-Dean.
1893	Pathological Laboratory erected (John H. R. Molson, $60,000); Chairs of Hygiene and of Pathology endowed (Lord Strathcona, $100,000). Mrs. Mary Dow Endowment Fund presented to Medical Faculty ($10,000).
1894	Royal Victoria Hospital opened (Lord Mount-Stephen and Lord Strathcona).
1895	Sir William Peterson appointed Principal.
1898–01	Medical Faculty Building reconstructed and enlarged with new laboratories, etc. (Lord Strathcona, $100,000). Joseph Morley Drake Chair of Physiology founded ($25,000).
1901	Thomas G. Roddick appointed Dean.
1906	Alexandra Hospital for Infectious Diseases opened.
1907	Medical Building partly destroyed by fire.
1908	F. J. Shepherd appointed Dean.
1909–11	New Medical Building (as at present) erected. (Lord Strathcona, $450,000).
1911	Robert Reford endowment of Department of Anatomy ($100,000). Arthur A. Browne Memorial Fund for Research established ($10,000). Dr. James Douglas research fellowship in Pathology founded ($25,000).
1912	Eddie Morrice Laboratory of Pharmacology opened (D. Morrice, $14,000). James Cooper Endowment Fund established for Internal Medicine ($60,000).
1913	Graduates of the Faculty of Medicine subscribed $12,566 to meet fire loss.
1914	H. S. Birkett appointed Dean. No. 3 (McGill) General Hospital organized for Overseas service. New Foundling Hospital opened.
1916	Ross Memorial Pavilion (J. K. L. Ross), opened by H.R.H. Duke of Connaught.
1917	Geo. Ross Endowment Fund for Medical Faculty presented.

1919 Sir William Macdonald bequeathed $500,000 to Medical Faculty.
Faculty of Dentistry established. Osler Library (of the history of medicine and science) bequeathed to the Faculty of Medicine by Sir William Osler.

1920 Sir Arthur Currie appointed Principal.
Dr. J. W. Scane appointed Assistant Dean.

1921 Centenary Celebration.
Friends and Graduates of McGill donated $4,000,000 to University.
Province of Quebec donated $1,000,000 to University.
Rockefeller Foundation granted $1,000,000 to Medical Faculty.
F. G. Finley appointed Dean.

1922 Laboratories for Biological Sciences opened.
Geo. E. Armstrong appointed Dean.
New Outpatient Department erected at Royal Victoria Hospital.

1923 Pathological Institute erected.
C. F. Martin appointed Dean.

1924 Rockefeller Foundation gave $500,000 to Medical Faculty to establish University Clinic in Department of Medicine at Royal Victoria Hospital.
Amalgamation of Western Hospital with the Montreal General Hospital.

1925 Erection of Royal Victoria-Montreal Maternity Pavilion.
Roddick Memorial Gates opened.

1926 Closing of old Montreal Maternity Hospital.

1927 Sub-department of Industrial Medicine formed, with Industrial Clinic at the Montreal General Hospital. (Grant of $25,000 from Metropolitan Life Insurance Company).
Inter-Hospital Commission formed for purposes of administration.

1929 Opening of new laboratory building for Experimental Surgery
Rockefeller Foundation gave $85,000 for research in Surgery.

1932 Gift of $1,232,652 from the Rockefeller Foundation for the Department of Neurology and Neurosurgery.

OFFICERS AND MEMBERS OF THE FACULTY SINCE ITS ORIGIN

DEANS

Dr. R. Robertson, official head of the Montreal Medical Institution, 1823, was followed bv Dr. John Stephenson in 1829 as Registrar and official head of the Faculty up to 1842, when he was succeeded by Dr. A. F. Holmes with the title of Secretarv.

A. F. Holmes, 1854.
Geo. W. Campbell, 1860.
R. P. Howard, 1882.
Robert Craik, 1889.
George Ross (Vice-Dean), 1889.
Thomas G. Roddick, 1901.
Francis J. Shepherd, 1908.
Herbert S. Birkett, 1914.
F. G. Finley, 1921.
George E. Armstrong, 1922.
C. F. Martin, 1923.
(J. W. Scane, Assistant Dean, 1920–1922.)

REGISTRARS

John Stephenson, 1829.
Archibald Hall, 1842.
William Wright, 1864.
Robert Craik, 1869.
William Osler, 1877.
F. J. Shepherd, 1883 (Acting).
James Stewart, 1884.
R. F. Ruttan, 1891.
E. M. Eberts, 1902.
(J. W. Scane, Assistant Dean, 1920–1922).
Registrarship abolished—1923

SECRETARIES

J. C. Simpson, 1923.

MEDICINE

Chair of Medicine
(Founded 1824)

WILLIAM CALDWELL, 1824.
WILLIAM ROBERTSON, 1833.
ANDREW F. HOLMES, 1842.
R. P. HOWARD, 1860.
GEORGE ROSS, 1889.
JAMES SEWART, 1893.

Chair of Clinical Medicine
(Founded 1845)

JAMES CRAWFORD, 1845 and 1852.
ROBT. L. MACDONNELL, 1849.
STEPHEN C. SEWELL, 1850.
R. P. HOWARD, 1856.
DUNCAN C. MACCALLUM, 1860.
JOSEPH M. DRAKE, 1872.
GEORGE ROSS, 1872.
RICHARD L. MACDONNELL, 1889.
JAMES STEWART, 1891.

Chair of Medicine and Clinical Medicine
(Founded 1907)
(*Chair of Medicine since 1923*)

F. G. FINLEY, 1907–1924.
H. A. LAFLEUR, 1907–1919.
C. F. MARTIN, 1907.
J. C. MEAKINS, Professor and Director, 1924.
C. P. HOWARD, 1924.
W. F. HAMILTON, 1924.

SURGERY

Chair of Surgery
(Founded 1824)

JOHN STEPHENSON, 1824.
G. W. CAMPBELL, 1835.
GEO. E. FENWICK, 1875.
T. G. RODDICK, 1890.

Chair of Clinical Surgery
(Founded 1840)

JAMES CRAWFORD, 1845.
WILLIAM E. SCOTT, 1852.
DUNCAN C. MACCALLUM, 1856.
ROBERT CRAIK, 1860.
GEORGE E. FENWICK, 1867.
THOMAS G. RODDICK, 1876.
JAMES BELL, 1894.

Chair of Surgery and Clinical Surgery
(Founded 1907)
(*Chair of Surgery since 1923*)

JAMES BELL, 1907–1911.
GEO. E. ARMSTRONG, 1907–1923.
J. A. HUTCHISON, 1913–1923.
E. W. ARCHIBALD, Professor and Director, 1923.
A. T. BAZIN, 1923.
E. M. EBERTS, 1929.

OBSTETRICS AND GYNAECOLOGY

Chair of Obstetrics
(Founded 1824)

William Robertson, 1824.
John Racey, 1833.
Geo. W. Campbell, 1835.
Michael McCulloch, 1842.
Archibald Hall, 1854.
D. C. MacCallum, 1868.
Arthur A. Browne, 1883.
J. Chalmers Cameron, 1886.

Chair of Gynæcology
(Founded 1883)

William Gardner, 1883.
W. W. Chipman, 1910.

Chair of Obstetrics and Gynæcology
(Founded 1913)

W. W. Chipman, 1913–1929.
J. R. Fraser, 1929 Professor and Director.
H. M. Little, 1929.

ANATOMY

(Chair founded 1824)

John Stephenson, 1824.
Oliver T. Bruneau, 1842.
William E. Scott, 1856.
Francis J. Shepherd, 1883.
A. C. Geddes, 1913.
S. E. Whitnall, 1919.

CHEMISTRY

Chair of Chemistry
(Founded 1824)

Andrew F. Holmes, 1824.
Archibald Hall, 1842.
William Sutherland, 1849.
Robert Craik, 1867.
Gilbert P. Girdwood, 1879.
R. F. Ruttan, 1902.

Chair of Practical Chemistry
(Founded 1872)

Gilbert P. Girdwood, 1872.
R. F. Ruttan, 1894.

Chair of Bio-Chemistry
(Founded 1920)

A. B. Macallum, 1920.
J. B. Collip, 1928.

INSTITUTES OF MEDICINE

Chair of Institute of Medicine

(Founded 1824 and included the Department of Physiology, Histology and Pathology)

JOHN STEPHENSON, 1824.
STEPHEN C. SEWELL, 1842.
ROBERT L. MACDONNELL, 1845.
WILLIAM FRASER, 1849.
JOSEPH M. DRAKE, 1868.
WILLIAM OSLER, 1874.

PHYSIOLOGY

(Founded 1824—endowed 1897)

WESLEY MILLS, 1886.
N. H. ALCOCK, 1911.
G. R. MINES, 1914.
JOHN TAIT, 1919.
BORIS P. BABKIN (Research Professor), 1928.

HISTOLOGY

GEORGE WILKINS, 1883–1907.
J. C. SIMPSON, 1910.

PATHOLOGY

(Founded 1892—endowed 1893)

J. GEO. ADAMI, 1892.
H. OERTEL, 1919.

PHARMACOLOGY

Chair of Pharmacology and Therapeutics
(Founded 1824)

ANDREW F. HOLMES, 1824.
ARCHIBALD HALL, 1835.
STEPHEN C. SEWELL, 1842.
A. HALL, 1849.
WILLIAM WRIGHT, 1854.
JAMES STEWART, 1883.
A. D. BLACKADER, 1891.

Chair of Pharmacology

H. G. BARBOUR, 1921.
R. L. STEHLE, 1924.

BOTANY

(Chair founded 1829)

Andrew F. Holmes, 1829.
Dr. Papineau, 1845.
J. W. Dawson, 1855–56 and 1858–83.
James Barnston, 1857–58.
D. P. Penhallow, 1883.
F. E. Lloyd, 1912.

MEDICAL JURISPRUDENCE

(Chair founded 1845)

William Fraser, 1845.
Francis Badgley, 1849.
Francis C. T. Arnoldi, 1850.
William E. Scott, 1851.
William Wright, 1852.
R. Palmer Howard, 1854.
Duncan C. MacCallum, 1860.
George E. Fenwick, 1867.
William Gardner, 1875.
George Wilkins, 1883.
D. D. MacTaggart, 1911–1929.

HYGIENE AND PUBLIC HEALTH

(Chair founded 1871—endowed 1893)

George Ross, 1871.
Thomas G. Roddick, 1873.
Robert T. Godfrey, 1875.
William Gardner, 1879.
R. L. MacDonnell, 1886.
Robert Craik, 1889.
Wyatt Johnston, 1902.
T. A. Starkey, 1902.
A. G. Fleming, Professor and Director of the Department of Public Health and Preventive Medicine, 1926.

OPHTHALMOLOGY AND OTO-LARYNGOLOGY

Chair of Ophthalmology and Otology
(Founded 1883)

Frank Buller, 1883.

Chair of Laryngology
(Founded 1893)

G. W. Major, 1893.
H. S. Birkett, 1895.

Chair of Oto-Laryngology

H. S. Birkett, 1895–1931.
E. Hamilton White, 1931.

Chair of Ophthalmology

J. W. Stirling, 1906.
W. G. Byers, 1923.

CHAIR OF ZOOLOGY

E. W. MacBride, 1902.
Arthur Willey, 1910.

CHAIR OF HISTORY OF MEDICINE

Andrew MacPhail, 1907.

CHAIR OF BACTERIOLOGY

F. C. Harrison, 1928.
E. G. D. Murray, 1930.

NEUROLOGY AND NEUROSURGERY

(Founded 1932)

W. G. Penfield, 1932.

FACULTY OF MEDICINE

The one hundredth session of the Faculty will open on September 14th, 1932.

ENTRANCE REQUIREMENTS

A sound general education is an essential foundation for professional training and a four-year course leading to a B.A. or B.Sc. degree is considered the most desirable preparation for the study of medicine. Preference will be given, therefore, to applicants who have had a full academic course in which the humanistic studies have not been sacrificed to a narrow scientific specialization.

Candidates without a degree should have at least three years of college work. In exceptional cases applications may be received from students who have completed two years of work in a recognized college or faculty of Arts, provided they present certificates that they have scholastic standing placing them in the first third of their class.

It is distinctly to be understood that the Faculty does not undertake to accept all students who have passed the courses necessary to fulfil the requirements. It reserves the right to select for admission only those candidates who, in the opinion of the Committee on Admissions, give promise of work of high quality in the medical course.

All applicants must present satisfactory evidence that their college courses include the following:—

Physics—One year of general college Physics with laboratory work.

Biology—One year of General Biology and Zoology with laboratory work. One half-year of Botany and one half-year of Zoology will be accepted, but not one year of Botany alone.

Chemistry:—Two years:—

(a) One full course of General Chemistry with laboratory work.

(b) One full course of Organic Chemistry with laboratory work.

Students who wish to pursue their preliminary course at McGill may register as regular undergraduates in the Faculty of Arts and Science and should apply for admission to the Faculty of Medicine at the end of their third year or preferably on graduation.

Candidates for admission to the Faculty of Medicine must also present evidence that they have satisfied the matriculation requirements of the Licensing Body of the Province to which they belong. (For further particulars see "Requirements for Licence to Practise," p. 41.)

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than July 1st.

A fee of $25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

APPLICATION FOR EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit to the Secretary of the Faculty an official statement of his preliminary education and of the course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office for the session 1932–33 on September 7th to September 13th, 1932. Those who register after September 14th will be required to pay a late registration fee of $5.00 if they do so during the first week of the session and $10.00 if during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

MEDICAL EXAMINATION

In order to promote as far as possible the physical welfare of the student body, men students of the First and Second Years, and women students of the First and Third Years, in every Faculty, and all students coming to the University for the first time, are required to be medically examined. The hours of such examinations are announced at the beginning of the session. Any student who has failed to comply with this regulation before the 1st of November will be fined $5.00. Any student who has failed to comply before the 8th of November will be fined an additional $5.00. Any student who has failed to comply before the 15th of November will be suspended. Re-examinations are held frequently throughout the session for those students who are of low category, or who are suffering from physical disability.

Students of all years, who wish to engage in athletic activities, are also required to be medically examined.

VACCINATION

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination within seven years, or of insusceptibility to vaccine within five years. Failing this, students must be vaccinated at once in a manner satisfactory to the medical examiner.

The penalties for non-compliance with this regulation are those stated above for the medical examination.

HEALTH

Provision is made by the Department for the care of the health of undergraduates during the session. If a student's admission to Hospital is requisitioned for by the Department, but not otherwise, one-half of all public ward charges is met by the University. A leaflet and handbook concerning this service and the general work of the Department, are distributed at the opening of the session.

ATHLETICS

All students in good standing who are taking a course of study held to be sufficient by a special committee of the Faculty in which they are enrolled will be allowed to take part in athletics, subject, however, to the general regulations regarding medical examination.

During the session and including the Christmas holidays, all teams and individual *students desiring to participate in "outside"* athletics* must first apply to the Captain or Manager of the club concerned, who must secure the permission of the Athletic Manager, by whom all such sanctions are granted.

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*"Outside athletics" is interpreted to mean athletics over which the Athletic Board of the University or the Canadian Intercollegiate Athletic Union does not have control.

Should any student take part in any athletic contest not having been sanctioned as above, or who is not personally qualified under the regulations regarding eligibility, medical examination, etc., such student shall be immediately debarred from participating in all University athletics. He shall be reported to the Athletic Board, which body shall, if it sees fit, request the offender to withdraw from the University, if the consent of the Principal has been given, until Corporation shall meet to deal with the matter.

(For further regulations see handbook published by the Athletic Board.)

FEES IN MEDICINE

TUITION FEES:

1. For British Students the regular Undergraduate course, per Session is..... $275.00
   By Instalments: First instalment..... 140.00
   Second instalment..... 140.00
2. For Non-British students the fee per session is..... 350.00
   By instalments: First instalment..... 177.50
   Second instalment..... 177.50
3. Students repeating the course of study of any academic Session, pay one-half the fee for the regular undergraduate course, which will include dissecting material, chemical reagents, laboratory fees, etc.
4. Partial Students will be admitted to one or more courses on payment of special fees.
5. The fee for the graduate course in Public Health, including laboratory and outdoor work is $110.00 for British Empire students and $140.00 for Foreign students.
6. Fees are due and payable at the Bursar's Office as follows:—
   Tuesday, September 20th.
   Wednesday, September 21st.
   Thursday, September 22nd.
   but they may be paid before September 17th. The second instalment of tuition fees is due and payable on February 1st. An additional $2.00 is charged for payment after the specified dates.

OTHER FEES:

7. Sessional fees of $18.00 is payable by all men undergraduates and $12.00 by all women undergraduates, for the support of student organizations, for the rinks and tennis courts and for admission to all home games under the control of the Athletic Board.
8. Partial students pay $3.00 for athletics and athletic grounds. If they desire such of the privileges of Section 7 as are open to them, an additional $9.50 is charged for men students and $8.00 for women students.

9. Every student is required to make a deposit of $10.00 as Caution Money to cover damage done to furniture, apparatus, books, etc. This amount, less deductions, is returned at the close of the Session.

Registration Fee: British students $5.00; Non-British students	$10.00
Late registration after September 13th	5.00
Late registration after September 20th	10.00
Supplemental examinations	10.00
Receipts for supplementals must be shown to the Dean's office before the examination.	
Conferring the degree in Absentia	20.00
Duplicate Graduation Diploma	10.00
Certified copy of students record	1.00
Fine for late Medical examination (see page 30) ....$5.00 or	10.00
Health Fee	5.00
Graduation Fee, British students $10.00, Non-British students	15.00
An Ad Eundem fee is charged students entering from another University in any year above the First	10.00

10. Students registering late pay their fees at the time of registration failing which they become subject to the provisions of regulation 6.

11. Immediately after October 20th, on February 5th (when the fee is paid in instalments) a list of the registered students who have not paid their fees is sent to the Dean of the Faculty, who removes their names from the register of attendance. Such students cannot be readmitted to any class until instructions have been received from the Bursar that all fees have been paid.

All fees are payable in Canadian currency.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine.

Should the student not be provided with such a microscope, he may purchase a new guaranteed instrument through the Bursar's office of the University for the sum of $105.00 or on the deferred payment plan, by which payment is spread over five years, as follows:—First year, $32.00; second year, $25.00; third year, $22.00; fourth year, $20.00; fifth year, $16.00.

STUDENTS' EXPENSES

1. BOARD AND RESIDENCE

No college residences have as yet been erected for men students, but dormitory accommodation for about 60 is provided in Strathcona Hall, the home of the Student Christian Association of McGill University. Full particulars concerning terms of residence, etc., may be obtained from the Secretary of the Association, 772 Sherbrooke Street West, Montreal, who will also make arrangements to have students who are strangers to the city met on arrival and helped to secure lodgings, if due notice is sent to the station and time at which they will arrive.

The University Lodgings Committee issues annually a list of lodgings and boarding houses which have been inspected and approved. This list, which gives prices of rooms and meals, may be consulted in the Registrar's Office, in the Medical Building, in the Students' Union or in Strathcona Hall.

Board and lodging can be obtained in private houses in the vicinity of the University buildings at a cost of $45 to $60 per month; or separately, board from $30, and a room from $20 upwards per month.

Board is furnished in the McGill Union at low rates. The dining room, which is a special feature of the Union, will accommodate over 120 students at a time. There is also a lunch counter where meals are served *à la carte*.

2. APPROXIMATE ESTIMATE OF ANNUAL COST FOR A BRITISH STUDENT

	Minimum	Moderate
Tuition Fees	$275.00	$275.00
Fee for Athletics, Union, etc	18.00	18.00
Other fees (average)	8.00	8.00
Board and Lodging	400.00	500.00
Books, Instruments, etc	153.00	173.00
	$854.00	$974.00

It will be noted that in the above estimate no account is taken of personal expenses, such as cost of clothes, laundry, etc., nor yet of the caution money deposit of $10.00 which is made by each student at the commencement of the session. Students are advised also to reckon on at least $20.00 to $25.00 per annum for subscriptions of various kinds.

COURSE FOR THE M.D. DEGREE AND EXAMINATIONS

Certain fundamental changes have been initiated in the curriculum, rendering it much more flexible, more balanced and affording the student a certain freedom of choice. Thereby, too, the student assumes more responsibility for his own education. Incidentally he is relieved from an over-crowded curriculum in order to have more time for independent thought and work.

While a certain sequence of courses is essential to a well-ordered curriculum, he will no longer be passed on from year to year in lock step, but may assume greater latitude in the selection of the form and matter of study, and to some extent, too, in the choice of clinical teachers.

A. THE MEDICAL COURSE

The Academic year is divided into three terms of ten weeks and the minimum period of study required for the degree is fifteen terms (five years).

The subjects comprised in the medical course are arranged in two groups:

The Preclinical Group:

- Anatomy.
- Histology and Embryology.
- Biochemistry.
- Physiology.
- Pharmacology.

The Clinical Group:

- Bacteriology.
- Pathology.
- Public Health and Preventive Medicine.
- Medicine (including Pædiatrics, Neurology, Psychiatry, Dermatology and Laboratory Diagnosis).
- Surgery (including Urology and Orthopædic Surgery).
- Obstetrics and Gynæcology.

Ordinarily, the preclinical subjects occupy two years and the clinical group three years of the course.

In each group the courses offered are of two kinds:

Required Courses covering the ground which is essential to the training of a medical practitioner.

Elective Courses designed to give a broader and deeper training in the major subjects and the specialties.

The required courses are arranged in such a manner that a considerable amount of the student's time is left free for the independent study and for elective courses in the pre-clinical and clinical subjects.

The required subjects of each group will ordinarily be taken in a definite sequence but qualified students may be allowed to arrange their schedule in accordance with their interests and previous training.

B. EXAMINATIONS

1. *Final or University Examinations* will be held in each major required subject of the curriculum. Grades attained in these examinations will be entered in the students' records, and will be the only grades used in determining aggregate standing.

To qualify for the University examinations the student must have fulfilled the following conditions:

Anatomy: must have completed three terms of instruction in the subject and have passed all the required course examinations.

Histology and Embryology: must have satisfactorily completed three terms of instruction in the subject and have passed all required course examinations.

Physiology: must have satisfactorily completed five terms of instruction and have passed all required course examinations.

Biochemistry: must have completed two terms of instruction and have passed all course examinations in the subject.

Pharmacology: must have satisfactorily completed one term of instruction.

Bacteriology: must have completed a course in Bacteriology *and* must have taken at least three terms of instruction in Pathology.

Pathology: must have completed at least six terms of work in the subject.

Public Health: must have completed the course and have taken at least six terms of clinical instruction.

Medicine: the *written* examination may be taken at any time after completion of six terms of clinical instruction, including three terms in Medicine. The *practical* examination may be taken on completion of nine terms of clinical instruction.

Surgery: the *written* examination may be taken at any time after completion of six terms of clinical instruction, including three terms in Surgery. The *practical* examination may be taken on completion of nine terms of clinical instruction.

Obstetrics: both written and practical examinations may be taken on the completion of nine terms of clinical instruction.

2. *Departmental or Course Examinations,* i.e. examinations held during, or at the conclusion of individual courses in any subject and for the purpose of determining the students' progress and fitness to proceed in a given subject.

The following special regulations have been adopted in respect to course examination in the clinical subjects:

1. *Pathology*—A course examination on the termination of the course in General Pathology (9th term).
2. *Medicine*—At the end of each term the group teachers shall report on the progress made by each student in their groups; in addition to this, there shall be a written examination at the end of the 3rd and an oral examination at the end of the 4th year. Written examinations in Paediatrics, Therapeutics, and Psychiatry will be held during the 4th year.
3. *Surgery*—At the end of each term the group teachers shall report on the progress made by each student in their groups; in addition to this, there shall be a written examination at the end of the fourth year.
4. *Obstetrics*—An oral examination at the end of the course of didactic lectures in the 3rd year; and an oral and practical examination at the end of each term in the 4th year.

To qualify for the Final Examinations leading to the degree, a student must have passed the course examinations in the required subjects of the clinical group, and must have satisfactorily completed the prescribed courses of study and practice in:

I. Ophthalmology.
II. Otolaryngology.
III. Psychiatry.
IV. Infectious Diseases.
V. Anæsthesia.
VI. Pathological Anatomical Technique and methods of Post Mortem Examination and Diagnosis.
VII. Public Health Survey.

The Final Examinations in Medicine, Surgery and Obstetrics must all be passed at one time, but a student who fails in one of these subjects only may, at the discretion of the Faculty, be allowed a re-examination in that subject at the next regular examination period, provided that he shall have satisfactorily completed such additional work as may be prescribed by the Head of the Department concerned.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

At the end of the Spring Term, the Promotion Committee will consider the cases of all students who at the conclusion of their third term are reported by their instructors as having fallen below the grade of C and shall determine whether such students are to be allowed to continue, warned, required to repeat the course or courses, or to retire from the Faculty.

Note:—The "Required Courses," together with suitable "Elective Courses" in the second year, will qualify a candidate for the First (Primary) Examination for Fellowship in the Royal College of Surgeons of England and for the Primary Examination for Fellowship in the Royal College of Physicians and Surgeons of Canada.

C. GRADING

At the conclusion of each course, students will be graded in five groups, as follows:—

A = Excellent
B = Good
C = Fair
D = Doubtful
E = Failure

In reporting the grading, the names of those students who attain "A" standing shall be arranged in order of merit; in all other grades the arrangement shall be alphabetical.

The grade assigned to a student shall be based upon the result of the Final and Class Examinations, but the instructor will also take into account the record of the work done throughout the course.

The quality of the English used by a candidate will be taken into account in determining his standing in all examinations.

MEDALS, PRIZES, FELLOWSHIPS AND SCHOLARSHIPS

MEDALS

The Holmes Gold Medal, founded by the Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., one time Dean of the Faculty of Medicine, is awarded to the student graduating with the highest aggregate number of marks in the different branches comprised in the medical curriculum.

The student who wins the Holmes Medal has the option of exchanging it for a bronze medal and the money equivalent of the gold medal.

The Wood Gold Medal, founded by Casey A. Wood, M.D., LL.D., awarded to the student graduating with the highest aggregate number of marks in the clinical examinations of the Final Year. The winner of the Holmes Medal is not permitted to compete for this medal.

The Sutherland Gold Medal, founded in 1878 by the late Mrs. Sutherland, in memory of her late husband, William Sutherland, M.D., formerly Professor of Chemistry in this Faculty, is awarded for the best examination in Bio-chemistry, together with a creditable examination in the primary branches.

The Lieutenant Governor's Silver Medal, to be awarded to the student of the final year, who in the opinion of the head of the Department of Public Health and Preventive Medicine, is most proficient in that subject.

The Lieutenant Governor's Bronze Medal, to be awarded to the student who obtains the highest standing in the Final Examination in Physiology.

PRIZES

The Joseph Hils Prize. (Founded by the late Dr. Joseph Hils, of Woonsocket, R.I.)—A prize in books, awarded to the student who obtains the highest number of marks in the subject of Pharmacology.

The Joseph Morley Drake Prize. (Founded by the late Joseph Morley Drake, M.D.).—A prize in books, to be awarded to the student who obtains the highest number of marks at the Final Examination in Pathology.

Primary Prize. A prize in books awarded for the best aggregate standing in the subjects of the first division (Anatomy, Histology, Physiology, Bichemistry).

The F. Slater Jackson Prize. An annual prize of $50.00, founded by Mr. and Mrs. H. F. Jackson in memory of their son, the late F. Slater Jackson, M.D. The prize is awarded on the result of a special examination, written and oral, in Histology and Embryology.

The Alexander D. Stewart Prize. An annual prize in books, founded by the late W. Grant Stewart (Arts 1885, Med. 1888) in memory of his brother, the late Alexander D. Stewart (Med. 1888), to be awarded to the member of the graduating class who, in the opinion of the Faculty, presents in every respect the highest qualifications to practise his profession.

FELLOWSHIPS

The A. A. Browne Memorial Fellowship.—The sum of $10,000 was received by the Faculty from the committee of the A. A. Browne Memorial Fund. With this sum a fellowship has been established, to be known as the "A. A. Browne Memorial Fellowship." This fellowship is open to graduates of any recognized Medical School and is for the advancement of medical science, special preference being given to the subjects of obstetrics and gynæcology.

The James Douglas Research Fellowship.—The sum of $25,000 was donated by the late Dr. James Douglas, the proceeds to be devoted to co-ordinated research in the laboratories of pathology in or associated with the University.

The James Cooper Fellowships for the Study of Internal Medicine.—This fund of $60,000 was donated in 1912 by the will of the late James Cooper of Montreal to promote study and research in Internal Medicine.

The John McCrae Fellowship.—A fellowship of approximately $600, founded in 1918 as a yearly donation by Mr. H. J. Fuller, of New York, in memory of the late Lt.-Col. John McCrae, for the purpose of scientific research in Experimental Surgery. Established as a permanent fellowship in 1920 by Mr. Fuller and the Canadian Fairbanks-Morse Company.

The John W. Flinn Research Fellowship.—In 1921, Dr. John W. Flinn, of Prescott, Arizona, gave the sum of $5,000, to be paid in five equal annual instalments of $1,000, this sum to be used for the assistance of medical research in tuberculosis.

The Clara Law Fellowship, founded in 1927 by Mrs. J. R. Fraser for the furtherance of research in the laboratory of the Department of Obstetrics and Gynæcology, is of the value of $1,200 per annum.

The Walter J. Hoare Memorial Scholarship.—A sum of $5,500.00 has been donated by the late Dr. Charles W. Hoare, a graduate of McGill University, for Scholarships in Medicine, in memory of his son, Walter J. Hoare, who was killed in the Great War. These Scholarships are open annually to pupils of the Collegiate Institutes of the counties of Essex, Kent and Lambton entering the Faculty of Medicine.

Three Scholarships for Canadian students. Donated in 1928 by C. W. Lindsay, Esq., A. B. Purvis, Esq., and one by an anonymous donor and friend of the Medical Faculty. These scholarships are valued at $400.00 each per annum, and extend over the five years of the course. The conditions pertaining to these scholarships may be had on application to the Dean or Secretary of the Faculty of Medicine. (None available for students entering in 1932–33).

The Dr. J. Francis Williams Fellowship in Medicine and Clinical Medicine of $500.00, founded by the late J. Francis Williams, M.D., to be awarded on the result of a special examination open to students of the final year, who have had a high general scholastic standing and who are approved by the heads of the Department of Medicine.

The Dr. J. H. B. Allan Scholarship of $300.00, founded by bequest of Mrs. Agnes W. Allan, wife of the late Dr. J. H. B. Allan, to be awarded to the graduate of this Faculty who shall present the best thesis written during his period of residency in one of the teaching hospitals connected with McGill University.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all of the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for five full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University.

3. No one shall be permitted to become a candidate for the degree who shall not have attended at least one full session at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

5. He must have attended during at least three sessions or nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.

6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.

7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE TO PRACTICE

Intending students are reminded that a University degree in Medicine does not in itself confer the rights to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensure is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B.—In order that disappointment and loss of time may be avoided, the University *requires students to register with the licensing body of their home province or state before beginning their medical course.*

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. J. Gauvreau, 354 St. Catherine Street E., Montreal.

ONTARIO—Dr. H. Wilberforce Aikens, 170 University Avenue, Toronto, Ont.

NEW BRUNSWICK—Dr. S. H. McDonald, 56 Colborne Street, Saint John, N.B.

NOVA SCOTIA— Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. H. D. Johnson, 51 Grafton St., Charlottetown, P.E.I.

MANITOBA—Dr. W. G. Campbell, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. George R. Johnston, Calgary, Alta.

SASKATCHEWAN—Dr. A. MacG. Young, Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. P. Proctor, Vancouver, B.C.

The Registrar for Newfoundland is Dr. T. Mitchell, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance

on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain. To obtain a licence from the General Council it is necessary to pass one of the examining boards of Great Britain in the final subjects.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

COURSES OF INSTRUCTION

ANATOMY

THE ROBERT REFORD PROFESSOR:—S. E. WHITNALL
ASSOCIATE PROFESSOR:—J. BEATTIE
LECTURER:—H. E. MACDERMOT
SENIOR DEMONSTRATOR:—D. S. FORSTER
DEMONSTRATORS:—F. D. ACKMAN, E. H. CAYFORD, J. R. DEAN, H. M. ELDER, R. R. FITZGERALD, G. D. LITTLE, J. R. LOCHHEAD, R. M. H. POWER, H. G. PRETTY, W. W. RUDDICK, P. G. SILVER.

The Required Courses in Anatomy, are given in the first three terms of the Medical Course. In subsequent terms of the Second Year, opportunity is afforded through the Elective Courses for a complete revision in Anatomy together with choices of advanced work.

Required Courses

1. **Lecture Course in Gross Anatomy.**
Three hours weekly through the Autumn, Winter and Spring Terms.....Professors Whitnall and Beattie

Text-books:—Gray's "Anatomy" (English Edition); Whitnall's "Study of Anatomy."

Reference books:—Quain, Cunningham, Piersol, Keith's "Human Embryology and Morphology."

Recommended for Collateral Reading:—Keith's "Menders of the Maimed"; Hilton's "Rest and Pain."

2. **Laboratory Course in Gross Anatomy.**
Fifteen hours weekly during the Autumn and Winter Terms, and fourteen hours weekly during the Spring Term.
Professor Whitnall and Staff.

Practical Manual:—Walmsley.

3. **Tutorials:** Devoted mainly to the study of osteology and surface anatomy.
One hour weekly throughout the session.
Drs. MacDermot and Forster.

Text-books:—Gray's "Anatomy"; Thompson's "Surface Anatomy."

4. **Discussions:** Informal class discussions upon problems and difficulties. One hour a week throughout the session.....Dr. Beattie.

Elective Courses

5. **A Revision of the Whole Body by Dissection.** Time required, three afternoons a week.

6. **A Course of Study of the Special Sense Organs.** Two afternoons a week.

7. **Special Regions.** Two afternoons a week.
Professor Whitnall and Staff.

Additional Courses

8. **Ophthalmological Anatomy:** Mainly a laboratory course designed for graduates in Medicine who intend to specialize in Ophthalmology. By arrangement. Details on application.....Professor Whitnall.

9. **Oto-laryngological Anatomy:** A similar course. By arrangement. Details on application.....Professor Whitnall.

10. **Neurology:** A series of colloquia on recent work on the Nervous System. By arrangement.....Dr. Beattie

11. **Comparative Anatomy of the Primates:** Offered for students taking the Course in Biological Sciences in the Faculty of Arts and Science. The course is based upon and continues the work of general comparative anatomy and leads on to the study of human anatomy. Two lectures or colloquia and two hours of laboratory work per week during the year.....Dr. Beattie

HISTOLOGY AND EMBRYOLOGY

PROFESSOR:—J. C. SIMPSON
LECTURER IN HISTOLOGY AND EMBRYOLOGY:—H. E. RAWLINSON
LECTURERS IN HISTOLOGY:—D. J. BOWIE, W. M. FISK
LECTURER IN EMBRYOLOGY:—E. BURG
DEMONSTRATORS IN HISTOLOGY:—G. C. ANDERSON, J. R. DEAN
ASSISTANT DEMONSTRATORS IN EMBRYOLOGY:—N. W. PHILPOTT

Required Courses

1. **Histology and Embryology—Lecture Course.**
Two hours weekly during the Autumn, Winter and Spring Terms.
Professor Simpson and Dr. Rawlinson.

Text-books:—Jordan, Bailey, Lewis and Bremer.

2. **Histology and Embryology—Laboratory Work.**
Eight hours weekly during the Autumn, Winter and Spring Terms

3. **Organogenesis:** The development of the organs and systems of the human body.
One hour a week during the first half session and two hours during the second.....Professor Simpson

Reference books:—Jordan; Arey; Keith.

Elective Courses

4. **Advanced Histology:**
Laboratory course in histology and histological technique open to students who have completed Courses 1 and 2.
Three or more hours weekly throughout the Session.....Dr. Bowie

5. **Advanced Embryology:** Advanced work, including practical instruction in embryological technique.
Six hours a week throughout the session.....Dr. Rawlinson

PHYSIOLOGY

THE JOSEPH MORLEY DRAKE PROFESSOR:—JOHN TAIT

RESEARCH PROFESSOR:—BORIS P. BABKIN

ASSISTANT PROFESSOR:—N. GIBLIN

LECTURER:—S. DWORKIN

DEMONSTRATORS:—G. F. SUTHERLAND, D. A. ROSS

In this department special provision is made not only for undergraduate but also for graduate instruction. There are full courses in Physiology proper for all undergraduates. For graduate and for elective purposes other special courses are given.

Required Courses

1. **Introductory Course**—Lectures and Demonstrations.
In this course, which is comprehensive rather than detailed, the general principles of the subject are dealt with.
Three hours a week during the first half session, and two hours a week during the second half session.

2. **Intermediate Course**—Lectures, Demonstrations and Laboratory. Three lectures, one demonstration and six hours laboratory work a week. Autumn Term.

   The more detailed description of the nervous system and sense organs forms a part of this course. The accompanying laboratory course consists of experiments on surviving parts of the frog and on the human subject.

   Laboratory manual:—Sharpey, Schäfer, "Experimental Physiology."

3. **Senior Course**—Lectures, Demonstrations and Mammalian Laboratory.

   During these lectures the survey of the subject for undergraduate medical purposes is completed. The laboratory work accompanying the course involves a more advanced operative and instrumental technique.

   Three lectures, one demonstration and six hours of laboratory work. Winter Term.

   Laboratory manual:—Sherrington, "Mammalion Physiology."
   Text-books:—Howell, Macleod, Starling.

Elective Courses

4. **Lectures on Selected Advanced Topics.**

   Professors Babkin and Giblin

   During each year a variety of subjects is handled. As these vary from year to year, the titles will be announced at the commencement of the Autumn Term. The lectures are held twice a week throughout the Graduate Faculty teaching session. For elective purposes special parts of the course may be separately attended.

5. **Tutorial Course.**

   Dr. Dworkin, Dr. Sutherland, Mr. Ross

   This course is for the discussion of physiological problems, and entrants are required to use the library in preparation for the meetings.
   One hour a week Winter Term.
   One hour a week Spring Term.

Courses only for Graduate Students.

6. **Lectures on Structure and Function**.....Professor Tait
7. **Advanced Laboratory.**
8. **Physiological Colloquium.**

PSYCHOLOGY

PROFESSOR OF ABNORMAL PSYCHOLOGY:—J. W. BRIDGES
ASSISTANT PROFESSOR OF ABNORMAL PSYCHOLOGY—
K. M. BANHAM BRIDGES

Elective Courses

1. **Normal and Abnormal Psychology.** Psychophysiological standpoint, the relation of abnormal to normal mental life and behaviour, the mechanism of behaviour and the physical basis of consciousness, theories of the unconscious, the motivation of behaviour, association and dissociation; imitation, suggestion, instinct, habit, emotion, memory, intelligence, character, temperament, and their abnormalities.
   Text-book:—Bridges, J. W., Psychology, Normal and Abnormal.
   Two lectures a week. Autumn Term.....Professor J. W. Bridges.
   The following are one term courses open to students in the Third, Fourth and Fifth Years and to graduates.

2. **Mental Measurements.** Intelligence tests, ratings of character and temperament, and other mental examination methods.
   The course will include practice in giving tests:
   This course is intended for students specializing in psychiatry.
   By arrangement.....Prof. J. W. Bridges

3. **Child Psychology.** Aspects of mental development, with special reference to the pre-school child. The course will include practical observations in the Montreal Foundling Hospital.
   This course is intended for students specializing in pediatrics.
   By arrangement..... Asst. Prof. K. M. B. Bridges

4. **Psychology in Industry.** The selection of employees, the worker's efficiency, and his adjustment to his task.
   This course is intended for students specializing in Industrial Medicine.
   By arrangement.....Prof. J. W. Bridges

BIOCHEMISTRY AND PATHOLOGICAL CHEMISTRY

PROFESSOR:—J. B. COLLIP

ASSISTANT PROFESSOR:—D. L. THOMSON

LECTURERS ON PATHOLOGICAL CHEMISTRY: E. H. MASON, I. M. RABINOWITCH

RESEARCH FELLOWS:—R. L. KUTZ, L. I. PUGSLEY, E. H. BENSLEY

In addition to the required courses of lectures and laboratory exercises, an elective course of lectures, conferences and laboratory work is offered in which one section of the general field is treated in greater detail. Both these courses are designed primarily for medical students, and are intended as an introduction to clinical chemistry and medicine. Advanced lectures on various topics are also given in the Department, as set forth in the Announcement of the Faculty of Graduate Studies, and undergraduates are permitted to attend these lectures.

Required Courses

1. Biochemistry—Lecture Course:

This course forms a general introduction to the subject and is divisible into four parts: first, a survey of the chemical nature and physicochemical properties of the foodstuffs and the constituents of living matter; second, an account of the transformations undergone by these substances in digestion and metabolism; third, the principles of the science of nutrition; fourth, an introduction to pathological chemistry.

Text-books:—Bodansky: "Introduction to Physiological Chemistry." Cameron: "A Text-book of Biochemistry."

Reference books:—Peters & van Slyke: "Quantitative Clinical Chemistry," Gortner; "Outlines of Biochemistry," Thomson: "The Life of the Cell," Lusk: "Science of Nutrition."

Monday, Wednesday and Friday at 9, during the Autumn and Winter terms.

1L. Biochemistry—Laboratory Course:

The exercises will deal with the practical side of the subjects treated in the lecture course, such as the chemical properties of the carbohydrates,

fats, and proteins, and the qualitative and quantitative analysis of blood, urine, and other body fluids for their most significant constituents, by volumetric and colorimetric methods. A synopsis of the course is issued by the Department.

Reference books:—Hawk & Bergeim, "Practical Physiological Chemistry." Folin, "Laboratory Manual of Biological Chemistry."

Eight hours a week. Monday, Wednesday and Friday mornings in the Autumn and Winter terms.

Elective Courses

2. Endocrinology and Metabolism—Lecture Course:

In this course a survey will be made of the ductless glands, the action of hormones on growth and reproduction and on the metabolism of various substances, in health and disease.

Reference books:—Pryde, "Recent Advances in Biochemistry"; Lovatt Evans, "Recent Advances in Physiology"; Parkes, "The Internal Secretions of the Ovary," in addition to those listed in Course 1.

Two hours a week—Monday and Friday at 2, in the Autumn and Winter terms.

2L. Endocrinology and Metabolism—Laboratory Course:

Laboratory experiments to illustrate the lecture course will be arranged, and analytical methods employed in studies of metabolism will be practised.

Up to six hours a week in the Winter and Spring terms.

PATHOLOGY

STRATHCONA PROFESSOR:—HORST OERTEL

ASSOCIATE PROFESSOR:—L. J. RHEA

ASSISTANT PROFESSOR:—T. R. WAUGH

LECTURER AND DOUGLAS FELLOW IN PATHOLOGY:—W. H. CHASE

LECTURER:—J. E. PRITCHARD

LECTURER IN NEUROPATHOLOGY:—W. V. CONE

ASSISTANT DEMONSTRATORS:—
R. G. BOYD
G. C. JOHNSTON
R. D. BISSON
R. J. NELSON
C. M. GARDNER
T. E. ROY

CURATOR OF MUSEUM:—W. H. CHASE

NOTE: Students for the degree of Doctor of Medicine are advised to commence the study of Pathology at the beginning of their clinical instruction, i.e., in the Third Year, and pursue it in the following order:

First: General Pathology, with its laboratory course in general pathological anatomy and histology (Courses A1 and A2).

Second: Special Pathology (Course B1), including the special didactic courses on the diseases of the blood forming organs, the more important ductless glands, and of the nervous system (Courses B2, B3, B4), with the laboratory course in special pathological anatomy and histology (Course B5), and also to attend the demonstrative courses and practical exercises in pathological anatomical methods (Course B6).

It is desirable that students should continue to attend the demonstrative courses and practical exercises in pathological anatomy and choose from the electives throughout the rest of their study. Students may find it advantageous to refresh their minds during their later clinical years in certain parts of General and Special Pathology in which they are interested by returning to the didactic lectures in General and Special Pathology in addition to taking up some of the electives.

A study room has been set aside in the Pathological Institute more particularly for the students of Special Pathology and those under advanced clinical instruction, in which gross and microscopic material illustrative of topics discussed in the didactic lectures are weekly put on exhibition for personal study, at the student's leisure. Museum material may also be requisitioned. This room is open from 9 a.m. to 6 p.m. during the session, and demonstrators will be available for consultation.

Required Courses

I. DIDACTIC LECTURES.

A1. General Pathology and Pathological Anatomy.

Comprising (1) the philosophical and historic evolution of the conceptions of disease; (2) the general foundations and relations of morbid life in constitutional, physical and chemical environment and parasitism; (3) pathogenesis and the structural changes incident to it.

Two lectures (with epidiascope demonstrations) a week.

Autumn Term—Tuesday and Thursday, 4 p.m.

Winter and Spring Terms—Monday and Friday, 4 p.m.

Pathological Institute.....Professor Oertel

B1. Special Pathological Anatomy and Pathogenesis of the Circulatory, Respiratory, Digestive and Renal Systems.

One lecture with epidiascope demonstrations a week.

Autumn Term—Friday, 4 p.m.

Winter and Spring Terms—Wednesday, 4 p.m.

Pathological Institute.....Professor Oertel

B2. Diseases of the Blood Forming Organs.

One lecture a week. Autumn Term—Monday, 4 p.m.

Pathological Institute.....Professor Waugh

B3. Pathological Anatomy of the More Important Ductless Glands.

One lecture a week. Winter Term—Tuesday, 4 p.m.

Pathological Institute.....Dr. Chase

B4. Pathological Anatomy of the Nervous System.

One lecture a week. Spring Term—Tuesday, 4 p.m.

Pathological Institute.....Dr. Cone

II. Practical Courses.

A2. Laboratory Course in General Pathological Anatomy and Histology (including the methods of microscopic technique and diagnosis with practical exercises in the living animal, in fresh and in hardened tissues). Six hours weekly.

Winter and Spring Terms—Tuesday and Thursday, 2 p.m.

Pathological Institute.....Professor Oertel and Demonstrators.

B5. Laboratory Course in Special Pathological Anatomy and Histology. Four hours weekly.

Winter and Spring Terms—Monday and Friday, 4 p.m.

Pathological Institute.

Professor Waugh, Dr. Chase, Dr. Cone and Demonstrators

B6. Demonstrative Course and Practical Exercises in Pathological Anatomical Methods and Diagnosis, (including autopsy technique and references to medico-legal practice).

Autumn, Winter and Spring Terms—Saturday morning, 11–12.30.

Pathological Institute.....Professor Oertel

C1. Performance of Autopsies—Group Instruction.

Autumn, Winter and Spring Terms. Time according to material.
Pathological Institute.....Dr. Chase and Demonstrators.
Montreal General Hospital.....Professor Rhea and Demonstrators.

Elective Courses

B7. Special Pathological Anatomy of Bones.

Spring Term—Thursday, 4 p.m.

Pathological Institute.....Professor Waugh

B8. Special Hæmatological Technique.

Lectures and demonstrations on the more important hæmatological methods of examining the blood.
Winter Term—Thursday, 4 p.m.
Pathological Institute.....Professor Waugh

C2. Methods of Post-Mortem Examination, (including the methods of anatomical description and protocoling). For advanced students and physicians preparing for medico-legal practice. Time to be arranged.

Pathological Institute.....Dr. Chase

C3. Demonstration and Discussion of Specimens Removed at Operation, (including microscopic diagnosis and interpretation). For advanced students.

Autumn, Winter and Spring Terms—Wednesday, 3 p.m.

Pathological Institute.....Professor Waugh

BACTERIOLOGY

PROFESSOR:—E. G. D. MURRAY
LECTURERS:—W. W. BEATTIE, F. SMITH
DEMONSTRATOR:—D. H. STARKEY

Required Courses

All lectures and laboratory courses are given in the Department of Bacteriology (Institute of Pathology).

Course 1. Elementary Medical Bacteriology and Immunity.

Thirty lectures and 90 hours' practical work, and a weekly Tutorial Class. First Term.

Course 2. Bacteriology and Immunity for Honours B.Sc., (daily throughout the year; available only for Honours students in their Fourth year).

A. General Bacteriology—Thirty-five lectures and 175 hours practical work.

B. Systematic Bacteriology—Sixty-five lectures and 325 hours practical work.

C. Immunology—Fifty lectures and 250 hours practical work.

(Full details of the courses can be obtained by application to the Registrar).

CURRICULUM FOR B.Sc. HONOURS IN BACTERIOLOGY

Prerequisite:—An aggregate standing of high second class must be obtained in the subjects submitted for the First Year.

The Head of the Department should be consulted in selecting subjects to be studied in the Second and Third Years. The following subjects are suggested as suitable for the average student.

Second Year—General Zoology; Organic Chemistry; Histology; Elementary Physical Chemistry; Elementary Physiology; Colloid Chemistry.

Third Year—Biochemistry; Physiology; Elementary Medical Bacteriology; General Physiology (Dr. Scarth). In addition Pharmacology and Comparative Anatomy of Vertebrates are optional.

Fourth Year—Bacteriology Course 2.

Students of Medicine who have done sufficiently well in their Medical Bacteriology and in their Medical studies in general will be admitted to Course 2, Section C.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

PROFESSOR AND DIRECTOR:—A. GRANT FLEMING

STRATHCONA PROFESSOR OF HYGIENE:—T. A. STARKEY

ASSISTANT PROFESSOR:—R. ST. J. MACDONALD

ASSISTANT PROFESSOR OF MENTAL HYGIENE:—W. T. B. MITCHELL

ASSISTANT PROFESSOR OF INDUSTRIAL HYGIENE:—FRANK G. PEDLEY

LECTURER IN MENTAL HYGIENE:—C. M. HINCKS

DEMONSTRATOR IN MENTAL HYGIENE:—BARUCH SILVERMAN

DEMONSTRATOR IN INDUSTRIAL HYGIENE:—R. VANCE WARD

The instruction in Public Health and Preventive Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine.

In order that the importance of Public Health and Preventive Medicine may be kept before the student, short courses are given in the First and Second Years. These courses are of an introductory nature and, from a historical background, develop the needs and opportunities for preventive medicine and its social implications.

The Department aims to correlate the teaching of the preventive aspects of medicine with the teaching of other departments in their special field. In addition, those phases of the subject that are not included elsewhere are covered, such as water, milk and food supplies, public health administration, hygiene of the school child, industrial hygiene and mental hygiene.

The course in Mental Hygiene, included in the teaching of the Department of Public Health and Preventive Medicine, attempts to give the student an understanding of what is possible and of what is being done in the way of preventing nervous and mental diseases, deliquency and crime, and social failure. This implies a knowledge of what is normal in the way of behaviour responses at the different stages of the individual development; of how we may recognize and deal with significant deviations from the average response; the factors underlying individual success and failure; the place and the means of introducing mental health principles into home, school, social and industrial situations.

The hygiene of the child of school age includes, for consideration, the chief points of a school health service, its scope, and the duties of the School Medical Officer, a post frequently undertaken by the general practitioner.

Industrial Hygiene deals with the application of the principles of preventive medicine to industry. The various factors which influence the health of work people are discussed, and the means which may be taken to supervise their health and safety are considered.

In the Third Year, visits of inspection are made to plants selected to illustrate the general principles of water purification, and the modern dairy plant, including pasteurization.

A brief course in Applied Public Health Bacteriology is given to familiarize the student with the facilities available, the method of taking specimens, the methods of examination and the interpretation of laboratory reports on water, milk, sputum, nose and throat swabs.

A health study of the student's home town, or some other place acceptable to the Department, is required before the beginning of the Fifth Year. This study requires individual field work by each student.

Required Courses

1. **Introduction to Public Health and Preventive Medicine.**
   Spring term—Monday, 4 p.m.
   Professors Fleming, Macdonald and Mitchell.

2. **Public Health Organization and Administration.** (Including related community services.)
   Spring term—Wednesday, 9 a.m.
   Professors Fleming and Dawson and Dr. Silverman

3. **Mental Hygiene.**
   Autumn term—Tuesday, 3 p.m.....Professor Mitchell

4. **Practice of Preventive Medicine.**
   Spring term—Monday and Friday, 3 p.m.; Wednesday, 2 p.m.
   Professors Fleming, Starkey, Macdonald and Pedley

5. **Field Visits, Demonstrations and Applied Public Health Bacteriology.**
   Spring term—Wednesday, 3 p.m.

6. **Communicable Disease Control.**
   Autumn term—Thursday, 4 p.m. Professors Fleming and Macdonald.

7. **Health Study of a City or Town.**
   To be submitted during the month of October of the final year. The student is later required to review this study with a member of the staff.

Text-books and Reference books:—

The General Field:—Parkes and Kenwood; Rosenau; Park; Fitzgerald.

Industrial Hygiene:—The Health of the Industrial Worker, Collis and Greenwood; Industrial Health, Hayhurst, Emery and Kober; Industrial Poisons in the United States, Hamilton.

Mental Hygiene:—The Mental Hygiene of Childhood, White.

School Hygiene:—The Fundamentals of School Health, Kerr.

PHARMACOLOGY AND THERAPEUTICS

PROFESSOR:—R. L. STEHLE

ASSOCIATE PROFESSOR OF THERAPEUTICS:—D. S. LEWIS

LECTURERS IN PHARMACOLOGY:—K. I. MELVILLE, H. SCHROEDER

LECTURER IN THERAPEUTICS:—D. GRANT CAMPBELL

LECTURER IN ANÆSTHESIA:—WESLEY BOURNE

LECTURER IN PHYSIO-THERAPY:—F. W. HARVEY, NORMAN BROWN

DEMONSTRATORS IN PHARMACOLOGY:—J. B. ROSS, W. DEM. SCRIVER, B. RAGINSKY

PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

Required Courses

1. **Pharmacology.** The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

   Three lectures a week during the Spring Term supplemented by one conference and one demonstration a week.

   The conference groups are limited to four students each.

   Drs. Stehle and Melville

2. **Pharmacological Laboratory.** The experiments are chosen to illustrate the lectures of the preceding course.

   Two periods (six hours) a week during the Spring Term.

   Drs. Stehle and Melville

THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine. Courses 3, 3a, 4 and 5 are intended primarily for the fourth year and should be completed before registration for Course 6.

Required Courses

3. **Therapeutics:** Didactic Instruction. A series of approximately 15 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available. These lectures will be given during the Spring Term.

3a. **Therapeutics:** Theatre Lectures. Ten to fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine.

Dr. Lewis and Associates

4. **Pharmacy and Prescription Writing.** Five lectures and five laboratory periods during the Autumn term.

Dr. Scriver

5. **Physio-Therapy.** Three lectures and three periods of group instruction at times to be arranged.

Drs. Lewis, Brown and Harvey

6. **Clinical Therapeutics.** One ward class each week for ten weeks at the Royal Victoria and Montreal General Hospitals in the Autumn, Winter and Spring Terms.

Dr. Lewis and Dr. Campbell

Elective Courses

7. **Physio-Therapy (Practical):** A course of lectures and demonstrations dealing more fully with the application of physical methods to the treatment of disease.

Drs. Brown and Harvey

8. **Therapeutics:** A series of from five to ten lectures on certain special aspects of medical treatment will be offered if a sufficient number apply. These lectures will be given by those having special interest in the various topics, and will be open to students and graduates.

Text-books in Pharmacology. Cushny, Sollman, Poulsson, Meyer and Gottlieb.

Options

Suitably prepared persons may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See announcement of the Faculty of Graduate Studies.

MEDICINE

PROFESSOR AND DIRECTOR OF THE DEPARTMENT:—JONATHAN C. MEAKINS

PROFESSORS—CAMPBELL PALMER HOWARD, W. F. HAMILTON, C. F. MARTIN

ASSOCIATE PROFESSOR:—A. H. GORDON

ASSISTANT PROFESSOR OF MEDICAL RESEARCH:—MAUDE E. ABBOTT

ASSISTANT PROFESSORS:—E. H. MASON, C. A. PETERS, I. M. RABINOWITCH

LECTURERS:—J. G. BROWNE, D. G. CAMPBELL, J. KAUFMANN, D. S. LEWIS, A. H. MACCORDICK, C. F. MOFFATT

LECTURER (TUBERCULOSIS):—J. R. BYERS

LECTURER (RADIOLOGY):—E. C. BROOKS

DEMONSTRATORS:—C. C. BIRCHARD, C. R. BOURNE, G. R. BROW, KEITH GORDON, R. H. M. HARDISTY, A. T. HENDERSON, C. R. JOYCE, H. E. MACDERMOT, J. F. MACIVER, D. W. MCKECHNIE, J. L. D. MASON, D. L. MENDEL, E. S. MILLS, LORNE MONTGOMERY, E. V. MURPHY, E. E. ROBBINS, J. B. ROSS, W. DE M. SCRIVER, COLIN SUTHERLAND, J. J. WALKER, J. C. WICKHAM

ASSISTANT DEMONSTRATORS:—W. W. ALEXANDER, W. C. GOWDEY, H. N. SEGALL, C. J. TIDMARSH,[1] W. W. EAKIN, N. FEENEY, C. W. FULLERTON

RESEARCH FELLOW:—R. V. CHRISTIE

PAEDIATRICS

CLINICAL PROFESSOR:—H. B. CUSHING

LECTURERS:—A. B. CHANDLER, A. GOLDBLOOM, L. LINDSAY, S. GRAHAM ROSS, R. R. STRUTHERS, H. P. WRIGHT

DEMONSTRATORS:—W. E. ENRIGHT, JESSIE BOYD SCRIVER, R. C. STEWART, W. E. WILLIAMS

ASSISTANT DEMONSTRATOR:—A. K. GEDDES

PSYCHIATRY

CLINICAL PROFESSOR:—C. A. PORTEOUS

ASSISTANT PROFESSOR:—DAVID SLIGHT

DEMONSTRATORS:—B. SILVERMAN, E. C. MENZIES

DERMATOLOGY

CLINICAL PROFESSORS:—P. BURNETT, J. F. BURGESS

LECTURER:—A. A. BRUÈRE

DEMONSTRATORS:—C. R. BOURNE, L. P. EREAUX

ASSISTANT DEMONSTRATOR:—B. USHER

Foreword on the Courses in Medicine. The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded by the establishment of a modern medical clinic at the Royal Victoria Hospital. In this institution and at the Montreal General Hospital there are extensive laboratories for

the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The courses in internal medicine and its various branches are so arranged as to give the individual student as much independence as possible in his selection of his instructors and time and place of his required and elective courses. The University lectures and clinical lectures are open to students of all years. The student, therefore, may within wide limits determine the period and scope of his instruction. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

Required Courses

1. A course of University lectures on Pathological Physiology and general medicine will be given in the autumn, winter, and spring terms, on Monday, Wednesday and Friday mornings, from 9 to 10 o'clock. This course of lectures will cover the field of medicine and will be delivered at the University Medical Building, by Professors Meakins, Howard, and Assistants.

1a. Courses of lectures will be given in Pædiatrics, Psychiatry and Therapeutics on two afternoons a week during the autumn, winter and spring terms.

2. Clinical lectures in general medicine. A course of clinical lectures will be delivered throughout the autumn, winter, and spring terms, on two days a week. The exact hour in the different institutions will be announced from time to time. These clinical lectures will be given in the Royal Victoria Hospital and the Montreal General Hospital, by Professors Meakins, Howard, Hamilton, Gordon, and Assistants.

3. Clinical lectures in pædiatrics. A course of clinical lectures will be delivered in pædiatrics during the autumn, winter, and spring terms, on one day each week, at the Children's Memorial Hospital, by Professor Cushing and Assistants.

4. A course in the technique of physical examination and normal physical signs will be given in the autumn term, two periods a week, from 10.15 to 11.45 a.m., with one clinical lecture per week as a review. This course will be given to groups of students at the Royal Victoria Hospital and the Montreal General Hospital.

5. This course will cover physical examination and abnormal physical signs, the methods of history-taking, and systematic description of the various systems in a logical order. Its objective will be to prepare students for subsequent clinical and bedside work. It will be given in the winter and spring terms, four periods a week of two hours each, from 10.15 to

12.15, to groups of students, at the Royal Victoria Hospital and the Montreal General Hospital.

6. A course in clinical microscopy will be given in the winter term only. There will be two laboratory periods a week, from 2 to 4 p.m., on Mondays and Fridays, in the Pathological Institute. This course will be organized so as to give instruction and practice in microscopy as applied to clinical medicine.

Doctors Kaufmann, MacCordick and Assistants

7. A course in clinical medicine with case reporting and bedside clinics will be given in the autumn, winter and spring terms, to groups of students at the Royal Victoria Hospital and Montreal General Hospital. Each course will occupy five days a week from 9.00 a.m. to 3.45 p.m.

Professors Meakins, Gordon, Peters, and Assistants

8. A clinical course in pædiatrics will be given during the autumn, winter, and spring terms. This course will have the following divisions:

(a) Diseases of the New-Born—Royal Victoria Montreal Maternity Pavilion.

(b) Normal Infant-Feeding and Development—Montreal Foundling Hospital.

(c) General Pædiatrics—Children's Memorial Hospital, Royal Victoria Hospital, and Montreal General Hospital.

(d) A Series of demonstrations to groups of students on the ordinary acute infectious diseases will be given at the Alexandra Hospital.

Professor Cushing and Assistants

This course in its divisions will be given to groups of students.

9. A course in clinical therapeutics will be given in the autumn, winter, and spring terms, of one period a week, one and one-half hour's duration, at the Royal Victoria Hospital and the Montreal General Hospital, by Professor Lewis and Dr. D. Grant Campbell.

10. In the student's final year he becomes virtually a member of the Externe Staff of the teaching hospitals. He may elect to be allotted to the various services in the hospital in the capacity of clinical clerk, participating in the keeping of records, diagnosis and treatment of patients in the wards and Out-Patient Department, and the laboratory duties. He will accompany the physicians in their daily rounds, attend autopsies and report on them to his teachers.

Elective Courses

Elective courses for advanced work are offered in the following subjects: Neurology, psychiatry, dermatology, clinical pathology, cardiology, hæmatology, diseases of the lungs, gastro-intestinal diseases, et cetera. The details of these elective courses will be announced at the beginning of each session.

It will be necessary for each student, in addition to taking the required courses, to choose a certain number of elective courses, the number chosen depending upon which elective courses are taken.

Text and Reference Books

General Medicine:—McLeod, "Physiology and Biochemistry in Modern Medicine"; Lewis, "Clinical Electrocardiography" and "Clinical Disorders of the Heart"; Meakins and Davies, "Respiratory Function in Disease;" Todd, "Clinical Methods;" Flint, "Physical Diagnosis"; Cabot, "Physical Diagnosis"; Thompson, "Elements of Surface Anatomy"; Lusk, "Science of Nutrition"; McLester, "Nutrition and Diet in Health and Disease"; Krehl, "Basis of Clinical Symptoms"; Osler's "Practice of Medicine"; Taylor's "Practice of Medicine"; Nelson's "Loose-Leaf System of Medicine"; Oxford, "Loose-Leaf System of Medicine"; Dieulafoy, "The Text-book of Medicine"; Strumpell, "Text-book of Medicine for Students and Practitioners"; Mackenzie, "Diseases of the Heart"; Purves Stewart, "Diagnosis of Nervous Diseases"; Bassler, "Diseases of the Stomach and Intestines"; Pharneo, "Teaching Hospitals."

Pædiatrics:—Holt and Howland; Dennet; Feer, Still; Porter and Carter; Morse and Talbot; Alan Brown.

Psychiatry:—White, "Outlines of Psychiatry; Kraeplin, "Clinical Psychiatry"; Wimmes Hoisholt, "Psychiatric Neurological Examination Methods"; Jeliffe and White (1923 Ed.), "Diseases of the Nervous System."

Dermatology:—Stellwagon; Walker's Introduction to Dermatology; Hartzell; McLeod; Darier; Campbell; Shamberg; Sutton.

HISTORY OF MEDICINE

PROFESSOR:—SIR ANDREW MACPHAIL

A course of fifteen lectures will be given upon the History of Medicine to inform undergraduates in the Faculty upon the progress of the science. It is the intention to examine the causes which produced the varying conceptions of medicine in times past, rather than burden the student with a narration of facts and a recital of biographies.

NEUROLOGY AND NEUROSURGERY

Professor of Neurology and Neurosurgery:—
Wilder Penfield

Clinical Professors of Neurology:—Colin Russel, F. H. MacKay

Assistant Professor of Neurology and Neurosurgery:—
William Cone

Lecturers in Neurology:—J. N. Petersen, A. W. Young, N. Viner

Assistant Demonstrator in Neurosurgery:—A. R. Elvidge

Assistant Demonstrator in Neuropathology:—E. L. Gage

Research Fellows in Neurology and Neurosurgery: G. Phillips, G. Stravaky, T. Grant, J Kirschman, A. Torkildsen

The Department of Neurology and Neurosurgery will co-operate intimately with the Departments of Medicine and Surgery, both as regards the teaching programme and the clinical work at the hospitals.

SURGERY

Professor and Director of the Department:—
E. W. Archibald

Professors:—A. T. Bazin, E. M. Eberts

Assistant Professors:—W. L. Barlow, C. B. Keenan, C. K. P. Henry, F. A. C. Scrimger

Lecturers:—F. B. Gurd, F. E. McKenty, F. J. Tees

Lecturer in Anæsthesia:—W. B. Howell

Lecturer in Radiology:—W. L. Ritchie

Demonstrators:—John Armour, E. B. Chandler, Guy Johnson, R. R. Fitzgerald, L. H. McKim, G.Gavin Miller, Dudley Ross, A. Stewart A L. Wilkie

Demonstrators in Anæsthesia:—J. W. Armstrong, C. C. Stewart

Assistant Demonstrators:—Howard Dawson, H. M. Elder, G. A. Fleet, Mark Kaufmann, C. A. MacIntosh, Albert Ross, P. G. Silver

UROLOGY

CLINICAL PROFESSORS:—{D. W. MACKENZIE, F. S. PATCH}

LECTURER:—R. E. POWELL

DEMONSTRATOR:—M. SENG

ORTHOPAEDIC SURGERY

CLINICAL PROFESSORS:—{W. G. TURNER, J. A. NUTTER}

LECTURER:—W. J. PATTERSON

DEMONSTRATOR:—N. T. WILLIAMSON

Foreword on the Courses in Surgery. Instruction in Surgery (and in the surgical specialties) is imparted in the form of didactic lectures, theatre clinics, ward and out-patient teaching.

The *didactic* lectures, which cover a period of two years (120 lectures) are not designed to cover the whole field of general and special surgery, but rather to present a few selected subjects thoroughly. Surgery as a whole must be studied in the recommended test books. The early lectures of this course, being introductory, are offered particularly to students who are beginning their clinical work (7th term). They deal with the fundamental principles of inflammation, wound healing, new growths and congenital abnormalities.

The *theatre clinics* in both hospitals will demonstrate, in so far as is possible, the whole field of general surgery and the surgical specialties. In the earlier terms instruction will be given in the commoner ailments of general surgery, while during the later periods the special subjects of orthopædics, genito-urinary-surgery, neuro-surgery and thoracic surgery will be given a due proportion of the time.

In the *wards and out-patient departments*, instruction can be given to smaller groups. In these classes one may more readily differentiate elementary instruction from that given to more advanced students. In other words, to the junior group are taught the principles of careful history taking, of physical examination and of accurate observation.

Later comes instruction in minor surgery, the dressing of wounds, bandaging and the application of splints—while to the advanced students is demonstrated major surgery from selected cases in the wards and operating theatre. Such advanced students are given patients in rotation

and become ward dressers. The specific duty is laid upon them of recording the case histories, making all necessary examinations and laboratory tests, and of assisting at operations. Group teaching at the bed-side, and ward rounds are added to their training, and they are given all the privileges of an externe of the surgical service.

Required Courses

1. Didactic Lectures.

Three times weekly for the first two terms; 9–10 a.m., in the Medical School.....Professor Archibald and Staff

2. Theatre Clinics.

Twice weekly throughout the session, 12.30 p.m., at both general hospitals. These clinics are open to all students from the seventh terms onwards.....Professors Archibald and Bazin and Staff.

3. Ward and Out-Patient Instruction.

Four times weekly, 10.30 a.m. to 12 noon, in groups to be arranged in both general hospitals.
Independent ward work can be done by those to whom cases are allotted at any time during the day excepting the meal and visiting hours.

4. Surgical Specialties.

The surgical specialties are taught in the later periods—to some extend in didactic lectures and theatre clinics—but chiefly in the wards and out-patient departments.

5. Anæsthesia.

Didactic lectures and laboratory demonstrations of anæthesia are given by the Department of Pharmacology and Therapeutics to the students of the earlier clinical years, while practical instruction in the administration of anæsthetics is given in the hospital to the more advanced students. Every student is obliged to furnish a certificate of having given at least six anæsthetics under supervision.

Elective Courses

The following Elective Courses will be given at the Royal Victoria Hospital, while those to be given at the Montreal General Hospital will be announced later:

1. Surgical Pathology.

A lecture-demonstration course upon specimens from the operating-room and from the Pathological Museum in co-operation with the Pathological Department—cf. Department of Pathology, Course C3—Wednesdays, 3 p.m.....Professor Waugh and Dr. Wilkie.

2. Neurological Examination, Diagnosis and Treatment of Skull Injuries.

Once a week for six weeks during each term.....Dr. Cone.

3. Diagnosis and Surgical Treatment of Pulmonary and Pleural Diseases.

Once a week during the autumn and winter terms.
Drs. Archibald and Bethune.

4. Applied Anatomy in Surgical Cases.

Once a week.....Dr. Armour.

Text-books:—

1. *General Surgery:* Choyce, C. C., "A System of Surgery"; Thomson and Miles, "Manual of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; John Homans, M.D., "A Text-book of Surgery."

2. *Emergency Surgery:* Sluss, John W., "Manual of Emergency Surgery."

3. *Surgical Anatomy:* Treves' "Surgical Applied Anatomy."

4. *Fractures:* Scudder. Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations."

5. *Case Reporting:* White, J. Renfrew, "The Clinical Examination of Surgical Cases."

6. *Urology:* Keyes' Urology, Mackenzie.

Collateral Reading: Lewis' System of Surgery, vols. 8-9; Eisendrath and Rolnick, Urology; Young, Urology; Stokes, Modern Clinical Syphilogy.

7. *Orthopædic Surgery:* Whitman's "Orthopædic Surgery"; Fraser, "Tuberculosis of Bones and Joints of Children"; Tubby and Jones, "Surgery of Paralysis"; Jones, "Orthopædic Surgery of Injuries"; Jones and Lovett, "Orthopædic Surgery."

OBSTETRICS AND GYNAECOLOGY

PROFESSOR AND CHAIRMAN:—J. R. FRASER

PROFESSOR:—H. M. LITTLE

CLINICAL PROFESSORS:—H. C. BURGESS, J. W. DUNCAN, J. R. GOODALL

LECTURER:—W. A. G. BAULD

DEMONSTRATORS:—A. D. CAMPBELL, DOUGLAS GURD, G. C. MELHADO, IVAN PATRICK, ELEANOR PERCIVAL

FELLOW IN GYNÆCOLOGY—E. BURG

CLARA LAW FELLOW AND DEMONSTRATOR:—P. J. KEARNS

ASSISTANT DEMONSTRATORS:—STEWART HENRY, N. W. PHILPOTT, C. V. WARD

OBSTETRICS

Required Courses

1. An introductory course of thirty lectures on the fundamental principles of the subject dealing with the Anatomy, Embryology, Physiology and Pathology of the Pelvic Organs.
The Medical School. Three times a week—Spring Term.
Professor Fraser.

2. **Clinical instruction** during the year in the Royal Victoria Montreal Maternity Pavilion, including the conduct of labor and the puerperium in case room and wards, together with ante-natal care in the out-patient department.
Autumn, Winter and Spring Terms.

3. **Special courses in obstetrical palpation** and on the mannikin daily throughout the session with the aid of models, diagrams and lantern slides. Autumn, Winter and Spring Terms.

4. **Clinical conference** once weekly in the theatre throughout the year for the entire class, where living cases are presented illustrating the more important obstetrical conditions.
Autumn, Winter and Spring Terms.

5. **Group Instruction.** The teaching in the final year is conducted entirely by senior teachers.
Small groups of students are instructed in the Wards, Case Rooms and Out-patient Department in methods of examination, problems of delivery and the principles of treatment.

6. **Lecture Demonstrations** in the theatre are held daily during each term on the following subjects:—

A. Dystocia ..... Professor Little.
B. Hæmorrhages of Pregnancy. Labor and the Peurperium. Professor Burgess.
C. Toxæmia of Pregnancy ..... Professor Duncan.
D. Peurperal Infection ..... Professor Goodall.

Note: Rooms are provided in the new pavilion where the students may reside, in groups of six, for a period of two weeks. During his period of interneship the student will under supervision deliver patients both in hospital and at their homes, and will undertake the medical care of mother and child during the puerperium.

GYNAECOLOGY

1. Theatre clinics and bed-side instruction in the Royal Victoria and Montreal General Hospitals .... Professors Fraser, Little and Staff.
2. A special course on Gynæcological Pathology .... Dr. P. J. Kearns.
3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.
4. A special course of instruction, once a week, throughout the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray ..... Dr. Bauld and Staff.

OPHTHALMOLOGY

PROFESSOR:—W. GORDON M. BYERS

CLINICAL PROFESSORS:—G. H. MATHEWSON, S. H. MCKEE, F. T. TOOKE

DEMONSTRATORS:—A. G. MCAULEY, J. A. MACMILLAN

ASSISTANT DEMONSTRATORS:—A. BRAMLEY-MOORE, S. O. MCMURTRY, STUART RAMSEY, J. ROSENBAUM

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses:—

1. **Routine examination of the eye.**

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.

Professor Byers, Tocke, McKee and members of the Staff.

2. **Lecture demonstrations.**

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential concepts for the clinical work of the Fifth Year.

Ten hours.....Professor Byers.

3. **Clinical Ophthalmology.**

In the Final Year, the entire available time is devoted to an intensive study of the ocular problems that are of greatest moment in general practice—the external diseases of the eye, and the main ophthalmoscopic findings in systemic disorders and affections of the nervous system; with practical lessons in ophthalmic nursing and first aid. This work is conducted in the ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals.

Professors Byers and Mathewson and Staff.

Text-books:—Parsons, May, Swanzy, De Schweinitz, Fuchs.

OTO-LARYNGOLOGY

PROFESSOR:—HAMILTON WHITE

LECTURERS:—G. E. HODGE, J. T. ROGERS, D. H. BALLON

DEMONSTRATORS:—K. O. HUTCHISON, W. J. MCNALLY, B. F. MACNAUGHTON, J. E. TREMBLE, P. WRIGHT

ASSISTANT DEMONSTRATOR:—A. E. LUNDON

The course of instruction in Oto-Laryngology is carried on in the wards and out-patient departments of both the Montreal General and the Royal Victoria Hospitals, where, owing to the large clinics, the students are afforded ample opportunity of receiving practical instruction in these subjects. In these two hospitals there are about fifty beds set apart for this specialty.

The courses are designed to afford the student the opportunity of acquiring the oto-laryngological knowledge required by every general practitioner. The practical work is conducted in small groups, so that the personal instruction and supervision, so essential in this subject, are given to each student.

1. **Introductory Course.**

Group instruction in:—(a) The normal anatomy of the ear, nose and throat, as exemplified in moist dissections, dried specimens, models, stereoscopic plates and radiograms of normal conditions of the accessory sinuses of the nose and mastoid process; (b) the methods of using the various instruments for examining the ear, nose and throat; (c) the usual tests for hearing; (d) the recognition of normal conditions of these special organs, as exemplified by clinical material ..... Professor White and Staff.

2. **Lecture Course.**

Ten lectures upon the more common pathological conditions of the ear, nose and throat met with in general practice.

Professor White.

3. **Clinical Oto-Laryngology.**

A course of clinical instruction in the out-patient departments and wards of the hospitals ..... Professor White and Staff.

Text-books:—Chevalier Jackson and Coates; St. Clair Thomson; Logan-Turner; H. Tilley; Kerrison; Phillips; Barnhill.

GRADUATE INSTRUCTION

1. Any graduate who so desires may attend any of the regular undergraduate courses. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.

2. **Special graduate work** is offered in every department, both in the laboratories and in the clinics, at any period during the year, provided the graduate is willing to assign himself for serious work to one service. Application for this privilege should be made to the Dean or to the Head of the Department in which the graduate desires to occupy himself.

Vide under heading of "Departments of Physiology, Pathology, Anatomy, Hygiene, etc."

3. **Course for Diploma of Public Health:** This course is specially designed as a thorough training for medical men undertaking the duties of a Medical Officer of Health.

The duration of the course is at least eight months (October 1st to May 31st.)

The curriculum is as follows:—

(a) A course of lectures dealing in a comprehensive manner with the general principles of public health and preventive medicine.

(b) Bacteriology—a full practical course in general bacteriology, with special application to public health.

(c) (1) *Sanitary Chemistry*. Examination of air, water and water supplies in general, the commoner foods and beverages, sewage and sewage effluents, etc.; chemical investigations connected with trades and occupations; (2) *Physics*. General principles only in their application to hygiene.

(d) Practical public health work. An extended course under a M.O.H., affording facilities for instruction in public health relating to housing, factories, work-shops and industrial establishments, schools, waterworks, sewage plants, refuse distribution, abattoirs, dairies and milk stations, welfare centres, etc., etc.

(e) Public health legislation and administration. Statutes and by-laws relating to public health and the powers of health authorities; administration of the office of a Medical Officer of Health.

(f) Vital statistics. Calculation and tabulations of returns of births, marriages and deaths and diseases.

(g) Meteorology and climatology; geographical and topographical distribution of disease.

Candidates for this diploma may claim exemption in any of the above subjects on presentation of adequate certificates.

Qualification for the diploma includes a knowledge of communicable diseases, of child hygiene and mental hygiene, the use of meteorological, hygienic and sanitary apparatus.

The successful candidate must further know the appearance of healthy and diseased tissues of animals, and their microscopic examination.

Finally, he must show a capacity to formulate a report on public health conditions in an actual locality and make annual and other reports as required by Officers of Health.

These examinations are written, oral and practical.

The fee for the course is $110.00 for British Subjects and $140.00 for non-British Subjects.

4. **Special Courses.** Graduates desiring instruction in any special branch of Public Health and Preventive Medicine, such as School Health Services and Industrial Hygiene, should apply to the Head of the Department. Courses will be arranged, suitable for the applicants, in order that hey may receive full benefit from the time devoted to the course.

BUILDINGS

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over $600,000, contains the Offices of Administration, the Medical Library (with its 46,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Histology, Hygiene, Pharmacy, and the magnificent Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department.

The Department of Histology and Embryology, too, has excellent facilities, with laboratory space for 120 students, and smaller laboratories for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over $500,000, this edifice was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This Building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology, Bacteriology and Medical Jurisprudence, and includes a Pathological Museum and museum workshops. It combines under one roof, quarters for teaching and research in these departments, both for the

University and for the Royal Victoria Hospital. From the latter is drawn chiefly its material. It was constructed at a cost of $460,000; is of Montreal limestone; its main front is 242 feet long; the north end is 77 feet wide and the south end 60 feet. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.
Montreal General Hospital.
Children's Memorial Hospital.
Foundling Hospital.
Alexandra Hospital for Infectious Diseases.
Protestant Hospital for the Insane.
Royal Edward Institute for Tuberculosis.
The Royal Victoria Montreal Maternity Hospital.

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 2,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University building, is a general hospital for acute diseases and contains 680 beds. During 1930 it cared for 14,597 cases, while in its outdoor department 82,952 cases were treated. Many new additions have been made to the Hospital. A modern University Medical Clinic was established in 1924.

There were 273 post-mortems during 1930.

The number of resident physicians is 40.

The Royal Victoria-Montreal Maternity Pavilion, with 200 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 100 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate

student. During the year 1930 the obstetrical service cared for 2,723 cases, with 2,645 confinements in the Hospital and 408 in the Out-patient Service, a total of 3,053. In the gynæcological section, 1,359 cases were admitted during the year.

There are seven resident physicians.

The Montreal General Hospital is a general hospital for the treatment of acute diseases and contains 404 beds. In 1930 there were 7,496 admissions to its wards. The large, reconstructed out-patient department, probably the finest in this country, received last year 149,740 visits. Many modern additions to the original buildings have been made, and recently a large biochemical laboratory has been erected and completely equipped.

There were 344 post-mortems during the year.

The number of resident physicians is 40.

The Dental Clinic of the University, completed in 1921, has 50 dental chairs with a large and varied clientele.

The Western Division of the Montreal General Hospital—The Western General Hospital. A hospital for the treatment of acute diseases, with 85 beds. It is hoped that this hospital will soon afford additional opportunities for teaching. The post-mortem and surgical material is now being used for teaching. During the year 1930 there were 1,847 admissions to the wards and 11,116 patients were treated in the out-patient department.

There were 68 autopsies during the year.

The number of resident physicians is 7.

The Children's Memorial Hospital has 200 public beds, and, in 1930, admitted 1,153 patients. The attendance at its out-door department totalled 11,738 patients. This hospital, while primarily for orthopædic cases, now admits all varieties of patients, and enables the students to get a broad conception of pædiatrics. Of special interest are the newly-built wards with cubicles, the Departments of Remedial Gymnastics, the Open-air Pavilion, and the well-equipped out-patient service.

There were 97 autopsies during the year.

The number of resident physicians is 7.

A summer course, lasting four weeks, has for several years enabled students and practitioners to become acquainted with many of the most important phases of modern pædiatrics.

The Montreal Foundling and Baby Hospital affords a large amount of clinical material for students, and gives special facilities for the consideration of infant feeding. There are 75 beds. In connection with this institution, there is a largely-attended Baby Welfare Clinic for mothers seeking advice as to the care of the normal child, and of themselves.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 170 beds, and, in 1930, 1,326 patients were admitted to the hospital. There were 30 autopsies.

The number of resident physicians is 4.

The Protestant Hospital for the Insane at Verdun has 630 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of psychiatry with the teachers. Occupational therapy is emphasized.

The Royal Edward Institute in its new building on Pine Avenue has space for 25 beds, with operating room, X-Ray equipment and modern facilities for the examination of patients, is essentially a dispensary for tuberculosis and offers adequate material for teaching students, in groups, the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

HONORARY LIBRARIAN:—DR. C. F. WYLDE

ASSISTANTS:—
- MISS C. DAVIDSON, B.A.
- MISS V. LOUISE DAVIDSON
- MISS EDITH R. GORDON
- MISS MARY HUME
- MISS HELEN SEAMAN
- MISS BEATRICE V. SIMON

"The history of the Library is the history of the Faculty."
Professor Hall

The Library occupies the central part of the Medical Building, the whole front of the second and third floors, as well as a portion of the first floor. On the third floor is the magnificent reading room, 76 x 24 feet, exceptionally well lighted, and capable of accommodating seventy-five readers. On this floor also are the journal room and private office. The second floor contains the stack room, the book stacks at present containing about 46,000 volumes, as well as eight sections of unbound material in cases, such as hospital reports, university calendars, and government publications, and having a total capacity of sixty thousand volumes; also three study rooms. On the first floor are the cataloguing rooms, offices and pamphlet room.

A special feature of the Library is the journal collection, and every effort is being made to complete this section as far as possible, and thus to increase the value of the reference department of the Library. Through the generosity of interested friends there is also a valuable collection of approximately one thousand volumes of early works on the History of Medicine, dating from the fifteenth century. These can be consulted at the Library.

A complete journal collection is listed in the Catalogue of Scientific Periodicals in Canadian Libraries, and also in the Union List of Serials. published by the W. H. Wilson Company.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other colleges showing proper credentials, and registered nurses. It is felt that graduates living at a distance are not aware of the fact that books may be borrowed from the Library on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during term from 9 a.m. to 9.30 p.m., except Saturdays, when it is closed at 5 p.m. After June 1st it is open from 9 a.m. to 5. p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

LIBRARIAN:—W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises about 7,600 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historial works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue has been completed, indexed, and printed since his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 136 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers, but the books may not be borrowed or removed from the Library.

MEDICAL SOCIETIES

1. THE McGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

(1) To transact all matters of business connected with the undergraduate body.

(2) To stimulate interest along medical lines.

(3) To assist students to express themselves in public with facility.

(4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. Ths papers are examined by a board selected by the Faculty, and two prizee are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers, are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Fourth and Fifth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussions. Each year an Honorary President has been elected from this older group.

McGill University has been greatly enriched by the gift of the Osler Library, bequeathed by Sir William. Members of the Society are fortunate in having ready access to this unique source of original material, comprising as it does a rare and valuable collection of some 8,000 volumes and pamphlets devoted to the history of science and medicine from the time of Hippocrates.

McGILL UNIVERSITY

MONTREAL



R102

ANNOUNCEMENT

OF THE

FACULTY OF MEDICINE

FOR THE SESSION 1933-34

McGILL UNIVERSITY

MONTREAL



ANNOUNCEMENT

OF THE

FACULTY OF MEDICINE

FOR THE SESSION 1933-34

Printed in Canada for the University by Southam Press Montreal Limited

TABLE OF CONTENTS

	Page
Administrative Officers	5
Admission to Medicine	29
Anatomy	43
Assistant and Clinical Professors	9
Athletics	30
Bacteriology	51
Biochemistry	47
Board and Lodging	33
Buildings	73
Calendar	6
Cost of Course	33
Course for the Degree of M.D., C.M.	34
Courses of Lectures	43
Demonstrators	13
Dermatology	58
Diploma of Public Health	71
Dominion Registration	42
Embryology	44
Emeritus Professors	7
Entrance Requirements	28
Examinations	35
Expenses	33
Faculty, Members of	7
Fees	31
Fellowships	39
General Council of Medical Education	41
Grading	37
Graduate and Advanced Courses	71
Gynæcology	67
Health	30
Histology	44
Historical Summary	20
History of Medicine	62
Hospitals	74
Hygiene	53, 71
Immunity	51
Lecturers	11
Library	77

CONTENTS—Continued

	Page
Loan Fund	32
Medals	38
Medical Examination	30
Medical Societies	79
Medicine	57
Members of Faculty since its origin	23
Microscopes	32
Neurology and Neurosurgery	62
Obstetrics	66
Officers of Faculty since its origin	23
Officers of Instruction	7
Ophthalmology	68
Orthopædic Surgery	63
Osler Library	78
Osler Society	80
Oto-Laryngology	69
Pathological Chemistry	47
Pathology	49
Paediatrics	58
Pharmacology	55
Physiology	45
Preventive Medicine	53
Prizes	38
Professors	7
Promotion	37
Psychiatry	58
Psychology	46
Public Health	53
Reciprocity with Great Britain	42
Registration	29
Requirements for Degree of M.D., C.M	41
Requirements for Licence	41
Scholarships	39
Surgery	63
Therapeutics	56
Urology	63
Vaccination	30

ADMINISTRATIVE OFFICERS

PRINCIPAL

SIR ARTHUR WILLIAM CURRIE, G.C.M.G., K.C.B., LL.D.

DEAN OF THE FACULTY OF MEDICINE

C. F. MARTIN, B.A., M.D., LL.D.

SECRETARY AND BURSAR

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(*Office Hours:—9 to 5*)

REGISTRAR

T. H. MATTHEWS, M.A.:—OFFICE, EAST WING, MCGILL COLLEGE
(*Office Hours:—9 to 5*)

SECRETARY OF THE FACULTY OF MEDICINE

J. C. SIMPSON, B.SC., LL.D.

COMPTROLLER

W. BENTLEY, C.G.A.

UNIVERSITY LIBRARIAN

GERHARD R. LOMER, M.A., Ph.D.

HONORARY MEDICAL LIBRARIAN

C. F. WYLDE, C.B., M.D., C.M.

OSLER LIBRARIAN

W. W. FRANCIS, A.B., M.D.

DIRECTOR OF THE MUSEUM OF THE HISTORY OF MEDICINE

SIR ANDREW MACPHAIL, KT., O.B.E., B.A., M.D., LL.D., M.R.C.S.

CURATOR OF THE MUSEUM OF THE HISTORY OF MEDICINE

MAUDE E. ABBOTT, B.A., M.D.

PURCHASING AGENT

JOHN FINLAY

CALENDAR OF THE FACULTY OF MEDICINE FOR THE SESSION 1933-34

1933

Tues.,	Sept.	5th	Autumn Examinations begin.
Wed.,	Sept.	13th	Register opens for students in Medicine.
Wed.,	Sept.	20th	Autumn Term begins.
Fri.,	Oct.	6th	Founder's Day. Convocation for Conferring Degrees. Founder's Day Address. Register closes for the session.
Thurs.,	Oct.	12th	Sports Day. No lectures.
Sat.	Nov.	11th	Remembrance Day. No lectures.
Tues.,	Nov.	28th	Autumn Term ends.
Wed.,	Nov.	29th	Winter Term begins.
Sun.,	Dec.	3rd	Annual University Memorial Service.
Wed.,	Dec.	20th	Last day of lectures before Christmas.

1934

Thurs.,	Jan.	4th	Lectures resumed.
Wed.,	Feb.	14th	Ash Wednesday. No lectures.
Tues.,	Feb.	20th	Winter Term ends.
Wed.,	Feb.	21st	Spring Term begins.
Fri.,	Mar.	30th	Easter vacation.
to			
Mon.,	April	2nd	
(inclusive)			
Tues.,	May	1st	Spring Term ends.
Fri.,	May	4th	Examinations begin.
Tues.,	May	29th	Convocation for Conferring Degrees.

OFFICERS OF INSTRUCTION

FACULTY OF MEDICINE

EMERITUS PROFESSORS

HENRI A. LAFLEUR, B.A., M.D., LL.D. (Queen's and McGill), F.R.C.P.(C).
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W. W. CHIPMAN, B.A., M.D. (Edin.), LL.D. (Pittsburgh, Univ. of Wales, Acadia and McGill), F.R.C.S. (Edin.).
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Emeritus Professor of Bacteriology.
c/o Bank of Montreal, Waterloo Place, London, Eng.

ARTHUR WILLEY, Hon. M.A. (Cantab.), D.Sc., (Lond.), F.R.S.C., F.R.S.
Emeritus Professor of Zoology Mille Isles, R.R. No. 1., Que.

W. F. HAMILTON, M.D., C.M., F.R.C.P. (C.).
Emeritus Professor of Medicine. 1225 Mountain St.

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(These, with the Principal and Vice-Principal, constitute the Faculty)

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A. K. Geddes, M.D., C.M.
Assistant Demonstrator in Pædiatrics. 1390 Sherbrooke St. W.

P. G. Silver, B.Sc., M.D., C.M.
Assistant Demonstrator in Surgery. 1414 Drummond St.

W. W. Eakin, M.D., C.M., F.R.C.P.(C.).
Assistant Demonstrator in Medicine. 1538 Sherbrooke St. W.

J. S. Henry, M.D., C.M.
Assistant Demonstrator in Obstetrics and Gynæcology.
1538 Sherbrooke Street West.

N. W. Philpott, M.D., C.M.
Assistant Demonstrator in Obstetrics and Gynæcology and in Embryology. 1610 Sherbrooke Street West.

C. V. Ward, B.A., (Bishop's), M.D., C.M.
Assistant Demonstrator in Obstetrics and Gynæcology.
1374 Sherbrooke St. W.

Neil Feeney, B.A. (Laval), M.D., C.M.
Assistant Demonstrator in Medicine. 1414 Drummond St.

C. W. Fullerton, M.D., C.M.
Assistant Demonstrator in Medicine. 1538 Sherbrooke St. W.

E. L. Gage, M.D. (Pennsylvania), M.Sc.
Assistant Demonstrator in Neurosurgery. Royal Victoria Hospital.

Margaret E. B. Cameron, B.A., M.D., C.M.
Assistant Demonstrator in Medicine. Royal Victoria Hospital.

W. L. Sprong, M.D. (J.H.U.).
Assistant Demonstrator in Neuropathology. Royal Victoria Hospital.

G. Stavraky, M.D., C.M.
Assistant Demonstrator in Neurophysiology. Royal Victoria Hospital.

J. P. Evans, M.D.
Assistant Demonstrator in Neurology and Neurosurgery.
Royal Victoria Hospital.

A. F. Fowler, M.D.,C.M.
Assistant Demonstrator in Medicine. 2060 Sherbrooke St. W.

W. R. Kennedy, M.D.
Assistant Demonstrator in Medicine. 1538 Sherbrooke St. W.

L. J. Adams, M.D.
Assistant Demonstrator in Medicine. 1374 Sherbrooke St. W.

C. M. McLeod, M.D., C.M.
Assistant Demonstrator in Pathology. Montreal General Hospital.

F. W. WIGLESWORTH, M.D. (Manitoba).
Assistant Demonstrator in Pathology. Montreal General Hospital.

C. A. MCINTOSH, B.A., M.D., C.M.
Assistant Demonstrator in Surgery. 1390 Sherbrooke St., W.

B. USHER, M.D., C.M.
Assistant Demonstrator in Dermatology. 1538 Sherbrooke St. West.

E. H. BENSLEY, M.D.
Assistant Demonstrator in Biochemistry. Biological Building.

D. S. CRUM, M.D.
Assistant Demonstrator in Pathology. Pathological Institute.

D. R. COMAN, M.D., C.M.
Assistant Demonstrator in Pathology. Pathological Institute.

G. H. FISK, M.D., C.M.
Assistant Demonstrator in Pathology. Pathological Institute.

R. A. JACKSON, M.D.
Assistant Demonstrator in Pathology. Pathological Institute.

FELLOWS

P. J. KEARNS, M.Sc., M.D., C.M.
Clara Law Fellow and Demonstrator in Obstetrics and Gynæcology. Pathological Institute.

R. L. KUTZ, M.Sc. (Alberta).
Research Fellow in Biochemistry. Biological Building.

L. I. PUGSLEY, B.A., (Acadia), M.Sc., Ph.D.
Research Fellow in Biochemistry. Biological Building.

W. T. GRANT, M.D. (Toronto).
Research Fellow in Neurology and Neurosurgery. Royal Victoria Hospital.

J. KERSCHMAN, M.Sc., M.D., C.M.
Research Fellow in Neurology and Neurosurgery. Royal Victoria Hospital.

A. TORKILDSEN, M.D.
Research Fellow in Neurology and Neurosurgery. Royal Victoria Hospital.

T. ERICKSON, M.D. (Minnesota).
Research Fellow in Neurology and Neurosurgery. Royal Victoria Hospital.

O. HYNDMAN, M.D. (J.H.U.).
Research Clinical Fellow in Neurosurgery. Royal Victoria Hospital.

J. MASSON, M.D. (Strasbourg).
Research Clinical Fellow in Neurosurgery. Royal Victoria Hospital.

G. Chorobski, M.D.
Research Clinical Fellow in Neurosurgery. Royal Victoria Hospital.

Evelyn H. M. Anderson, M.A. (Carleton), M.D. (California).
Research Fellow in Biochemistry. Biological Building.

P. T. Black, B.A.
Research Fellow in Biochemistry. Biological Building.

R. V. Harwood, M.Sc.
Research Fellow in Chemistry, Department of Neurology and Neurosurgery. Royal Victoria Hospital.

HISTORICAL SUMMARY

(Faculty of Medicine)

1821-1933

1744	James McGill, born October 6th (Founder's Day). Died 1813.
1801–02	Royal Institution for Advancement of Learning contemplated by Provincial Act of Parliament.
1811	Will by James McGill leaving landed estate and £10,000 to Royal Institution for Advancement of Learning for founding a University.
1818	Royal Institution for Advancement of Learning incorporated. Montreal General Hospital opened on original site on St. Lawrence Street.
1821	Royal Charter granted to the Royal Institution for the Advancement of Learning for the foundation of McGill College. Cornerstone of new Montreal General Hospital laid.
1822–24	Montreal Medical Institution organized as a Medical School by Officers of Montreal General Hospital. At opening lecture at No. 20 St. James Street on October 28, 1924, there were four teachers and twenty-five students.
1829	Estate of James McGill surrendered by residuary legatee. First meeting of Governors at Burnside House. Montreal Medical Institution "engrafted upon" McGill University as its Medical Faculty. First session of Faculty of Medicine.
1831	Medical Faculty petitioned Legislature for permission to grant degrees, and framed statutes to fulfil conditions of charter for same by order of Solicitor-General.
1832	Statutes approved and permission to confer degrees granted to Medical Faculty, and Professorships granted by Crown to Drs. Holmes, Caldwell, Robertson and Stephenson.
1833	First University degree conferred in Medical Faculty upon W. Logie.
1836–37	Faculty removed to building next to present Bank of Montreal.
1840	Faculty removed to St. George Street.
1842	Arts Building erected on University grounds, where medical lectures were held 1845–51.
1852	Faculty removed to Côté Street.
1855	Sir William Dawson appointed Principal.
1860	Geo. W. Campbell appointed Dean, serving until 1882.
1872	First independent Medical Faculty building on University ground. Graduation of William Osler.

1882 Geo. W. Campbell Memorial Fund for Medical Faculty ($50,000); Leanchoil Endowment Fund for Medical Faculty (Lord Strathcona, $50,000).
R. P. Howard appointed Dean.

1885 New laboratories erected in Medical Building (Lord Strathcona, $100,000).

1889 Robert Craik appointed Dean—George Ross, Vice-Dean.

1893 Pathological Laboratory erected (John H. R. Molson, $60,000); Chairs of Hygiene and of Pathology endowed (Lord Strathcona, $100,000).

Mrs. Mary Dow Endowment Fund presented to Medical Faculty ($10,000).

1894 Royal Victoria Hospital opened (Lord Mount-Stephen and Lord Strathcona).

1895 Sir William Peterson appointed Principal.

1898–01 Medical Faculty Building reconstructed and enlarged with new laboratories, etc. (Lord Strathcona, $100,000).
Joseph Morley Drake Chair of Physiology founded ($25,000).

1901 Thomas G. Roddick appointed Dean.

1906 Alexandra Hospital for Infectious Diseases opened.

1907 Medical Building partly destroyed by fire.

1908 F. J. Shepherd appointed Dean.

1909–11 New Medical Building (as at present) erected. (Lord Strathcona, $450,000).

1911 Robert Reford endowment of Department of Anatomy ($100,000).
Arthur A. Browne Memorial Fund for Research established ($10,000).
Dr. James Douglas research fellowship in Pathology founded ($25,000).

1912 Eddie Morrice Laboratory of Pharmacology opened (D. Morrice, $14,000).

James Cooper Endowment Fund established for Internal Medicine ($60,000).

1913 Graduates of the Faculty of Medicine subscribed $12,566 to meet fire loss.

1914 H. S. Birkett appointed Dean.
No. 3 (McGill) General Hospital organized for Overseas service.

New Foundling Hospital opened.

1916 Ross Memorial Pavilion (J. K. L. Ross), opened by H.R.H. Duke of Connaught.

1917 Geo. Ross Endowment Fund for Medical Faculty presented.

1919 Sir William Macdonald bequeathed $500,000 to Medical Faculty. Faculty of Dentistry established. Osler Library (of the history of medicine and science) bequeathed to the Faculty of Medicine by Sir William Osler.

1920 Sir Arthur Currie appointed Principal.
Dr. J. W. Scane appointed Assistant Dean.

1921 Centenary Celebration.
Friends and Graduates of McGill donated $4,000,000 to University.
Province of Quebec donated $1,000,000 to University.
Rockefeller Foundation granted $1,000,000 to Medical Faculty.
F. G. Finley appointed Dean.

1922 Laboratories for Biological Sciences opened.
Geo. E. Armstrong appointed Dean.
New Outpatient Department erected at Royal Victoria Hospital.

1923 Pathological Institute erected.
C. F. Martin appointed Dean.

1924 Rockefeller Foundation gave $500,000 to Medical Faculty to establish University Clinic in Department of Medicine at Royal Victoria Hospital.
Amalgamation of Western Hospital with the Montreal General Hospital.

1925 Erection of Royal Victoria-Montreal Maternity Pavilion.
Roddick Memorial Gates opened.

1926 Closing of old Montreal Maternity Hospital.

1927 Sub-department of Industrial Medicine formed, with Industrial Clinic at the Montreal General Hospital. (Grant of $25,000 from Metropolitan Life Insurance Company).
Inter-Hospital Commission formed for purposes of administration.

1929 Opening of new laboratory building for Experimental Surgery
Rockefeller Foundation gave $85,000 for research in Surgery.

1932 Gift of $1,232,652 from the Rockefeller Foundation for the Department of Neurology and Neurosurgery.

1932 New building of Royal Edward Institute for Tuberculosis opened and affiliated with McGill University.

1933 Montreal Foundling and Baby Hospital taken over by Children's Memorial Hospital.

OFFICERS AND MEMBERS OF THE FACULTY SINCE ITS ORIGIN

DEANS

Dr. R. Robertson, official head of the Montreal Medical Institution, 1823, was followed by Dr. John Stephenson in 1829 as Registrar and official head of the Faculty up to 1842, when he was succeeded by Dr. A. F. Holmes with the title of Secretary.

A. F. Holmes, 1854.
Geo. W. Campbell, 1860.
R. P. Howard, 1882.
Robert Craik, 1889.
George Ross (Vice-Dean), 1889.
Thomas G. Roddick, 1901.
Francis J. Shepherd, 1908.
Herbert S. Birkett, 1914.
F. G. Finley, 1921.
George E. Armstrong, 1922.
C. F. Martin, 1923.

REGISTRARS

John Stephenson, 1829.
Archibald Hall, 1842.
William Wright, 1864.
Robert Craik, 1869.
William Osler, 1877.
F. J. Shepherd, 1883 (Acting).
James Stewart, 1884.
R. F. Ruttan, 1891.
E. M. Eberts, 1902.
(J. W. Scane, Assistant Dean, 1920–1922).

Registrarship abolished–1923

SECRETARY

J. C. Simpson, 1923.

MEDICINE

Chair of Medicine
(Founded 1824)

William Caldwell, 1824.
William Robertson, 1833.
Andrew F. Holmes, 1842.
R. P. Howard, 1860.
George Ross, 1889.
James Sewart. 1893.

Chair of Clinical Medicine
(Founded 1845)

James Crawford, 1845 and 1852.
Robt. L. MacDonnell, 1849.
Stephen C. Sewell, 1850.
R. P. Howard, 1856.
Duncan C. MacCallum, 1860.
Joseph M. Drake, 1872.
George Ross, 1872.
Richard L. MacDonnell, 1889.
James Stewart, 1891.

Chair of Medicine and Clinical Medicine
(Founded 1907)
(*Chair of Medicine since 1923*)

F. G. FINLEY, 1907–1924.
H. A. LAFLEUR, 1907–1919.
C. F. MARTIN, 1907.
J. C. MEAKINS, Professor and Director, 1924.
C. P. HOWARD, 1924.
W. F. HAMILTON, 1924-1933.

SURGERY

Chair of Surgery
(Founded 1824)

JOHN STEPHENSON, 1824.
G. W. CAMPBELL, 1835.
GEO. E. FENWICK, 1875.
T. G. RODDICK, 1890.

Chair of Clinical Surgery
(Founded 1840)

JAMES CRAWFORD, 1845.
WILLIAM E. SCOTT, 1852.
DUNCAN C. MACCALLUM, 1856.
ROBERT CRAIK, 1860.
GEORGE E. FENWICK, 1867.
THOMAS G. RODDICK, 1876.
JAMES BELL, 1894.

Chair of Surgery and Clinical Surgery
(Founded 1907)
(*Chair of Surgery since 1923*)

JAMES BELL, 1907–1911.
GEO. E. ARMSTRONG, 1907–1923.
J. A. HUTCHISON, 1913–1923.
E. W. ARCHIBALD, Professor and Director, 1923.
A. T. BAZIN, 1923.
E. M. EBERTS, 1929.

OBSTETRICS AND GYNAECOLOGY

Chair of Obstetrics
(Founded 1824)

WILLIAM ROBERTSON, 1824.
JOHN RACEY, 1833.
GEO. W. CAMPBELL, 1835.
MICHAEL MCCULLOCH, 1842.
ARCHIBALD HALL, 1854.
D. C. MACCALLUM, 1868.
ARTHUR A. BROWNE, 1883.
J. CHALMERS CAMERON, 1886.

Chair of Gynæcology
(Founded 1883)

WILLIAM GARDNER, 1883.
W. W. CHIPMAN, 1910.

Chair of Obstetrics and Gynæcology
(Founded 1913)

W. W. CHIPMAN, 1913–1929.
J. R. FRASER, 1929 Professor and Director.
H. M. LITTLE, 1929.

ANATOMY

(Chair founded 1824)

John Stephenson, 1824.
Oliver T. Bruneau, 1842.
William E. Scott, 1856.
Francis J. Shepherd, 1883.
A. C. Geddes, 1913.
S. E. Whitnall, 1919.

CHEMISTRY

Chair of Chemistry
(Founded 1824)

Andrew F. Holmes, 1824.
Archibald Hall, 1842.
William Sutherland, 1849.
Robert Craik, 1867.
Gilbert P. Girdwood, 1879.
R. F. Ruttan, 1902–1928.

Chair of Practical Chemistry
(Founded 1872)

Gilbert P. Girdwood, 1872.
R. F. Ruttan, 1894.

BIOCHEMISTRY

Chair of Bio-Chemistry
(Founded 1920)

A. B. Macallum, 1920.
J. B. Collip, 1928.

INSTITUTES OF MEDICINE

Chair of Institute of Medicine

(Founded 1824 and included the Departments of Physiology, Histology and Pathology)

John Stephenson, 1824.
Stephen C. Sewell, 1842.
Robert L. MacDonnell, 1845.
William Fraser, 1849.
Joseph M. Drake, 1868.
William Osler, 1874.

PHYSIOLOGY

(Founded 1824—endowed 1897)

Wesley Mills, 1886.
N. H. Alcock, 1911.
G. R. Mines, 1914.
John Tait, 1919.
Boris P. Babkin
(Research Professor), 1928.

HISTOLOGY

George Wilkins, 1883–1907.
J. C. Simpson, 1910.

PATHOLOGY

(Founded 1892—endowed 1893)

J. Geo. Adami, 1892.
H. Oertel, 1919.

PHARMACOLOGY

Chair of Pharmacology and Therapeutics
(Founded 1824)

Andrew F. Holmes, 1824.
Archibald Hall, 1835.
Stephen C. Sewell, 1842.
A. Hall, 1849.
William Wright, 1854.
James Stewart, 1883.
A. D. Blackader, 1891.

Chair of Pharmacology

H. G. Barbour, 1921.
R. L. Stehle, 1924.

BOTANY

(Chair founded 1829)

Andrew F. Holmes, 1829.
Dr. Papineau, 1845.
J. W. Dawson, 1855–56 and 1858–83.
James Barnston, 1857–58.
D. P. Penhallow, 1883–1912.
F. E. Lloyd, 1912.

MEDICAL JURISPRUDENCE

(Chair founded 1845)

William Fraser, 1845.
Francis Badgley, 1849.
Francis C. T. Arnoldi, 1850.
William E. Scott, 1851.
William Wright, 1852.
R. Palmer Howard, 1854.
Duncan C. MacCallum, 1860.
George E. Fenwick, 1867.
William Gardner, 1875.
George Wilkins, 1883.
D. D. MacTaggart, 1911-1929.

HYGIENE AND PUBLIC HEALTH

(Chair founded 1871—endowed 1893)

George Ross, 1871.
Thomas G. Roddick, 1873.
Robert T. Godfrey, 1875.
William Gardner, 1879.
R. L. MacDonnell, 1886.
Robert Craik, 1889.
Wyatt Johnston, 1902.
T. A. Starkey, 1902.
A. G. Fleming, Professor and Director of the Department of Public Health and Preventive Medicine, 1926.

OPHTHALMOLOGY AND OTO-LARYNGOLOGY

Chair of Ophthalmology and Otology
(Founded 1883)

FRANK BULLER, 1883.

Chair of Laryngology
(Founded 1893)

G. W. MAJOR, 1893. H. S. BIRKETT, 1895.

Chair of Oto-Laryngology

H. S. BIRKETT, 1895–1931. E. HAMILTON WHITE, 1931.

Chair of Ophthalmology

J. W. STIRLING, 1906. W. G. BYERS, 1923.

ZOOLOGY

E. W. MACBRIDE, 1902–1910 ARTHUR WILLEY, 1910–1932

HISTORY OF MEDICINE

ANDREW MACPHAIL, 1907.

BACTERIOLOGY

F. C. HARRISON, 1928–1930 E. G. D. MURRAY, 1930

NEUROLOGY AND NEUROSURGERY

(Founded 1932)

W. G. PENFIELD, 1932.

FACULTY OF MEDICINE

The one hundred and first session of the Faculty will open on September 20th, 1933.

ENTRANCE REQUIREMENTS

A sound general education is an essential foundation for professional training and a four-year course leading to a B.A. or B.Sc. degree is considered the most desirable preparation for the study of medicine. Preference will be given, therefore, to applicants who have had a full academic course in which the humanistic studies have not been sacrificed to a narrow scientific specialization.

Candidates without a degree should have at least three years of college work. In exceptional cases applications may be received from students who have completed two years of work in a recognized college or faculty of Arts, provided they present certificates that they have scholastic standing placing them in the first third of their class.

It is distinctly to be understood that the Faculty does not undertake to accept all students who have passed the courses necessary to fulfil the requirements. It reserves the right to select for admission only those candidates who, in the opinion of the Committee on Admissions, give promise of work of high quality in the medical course.

All applicants must present satisfactory evidence that their college courses include the following:—

Physics—One year of general college Physics with laboratory work.

Biology—One year of General Biology and Zoology with laboratory work. One half-year of Botany and one half-year of Zoology will be accepted, but not one year of Botany alone.

Chemistry:—Two years:—

(a) One full course of General Chemistry with laboratory work.

(b) One full course of Organic Chemistry with laboratory work.

Students who wish to pursue their preliminary course at McGill may register as regular undergraduates in the Faculty of Arts and Science and should apply for admission to the Faculty of Medicine at the end of their third year or preferably on graduation.

Candidates for admission to the Faculty of Medicine must also present evidence that they have satisfied the matriculation requirements of the Licensing Body of the Province to which they belong. (For further particulars see "Requirements for Licence to Practise," p. 41.)

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than July 1st.

A fee of $25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

APPLICATION FOR EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit to the Secretary of the Faculty an official statement of his preliminary education and of the course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office for the session 1933-34 on September 13th to September 19th, 1933. Those who register after September 19th will be required to pay a late registration fee of $5.00 if they do so during the first week of the session and $10.00 if during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

MEDICAL EXAMINATION

In order to promote as far as possible the physical welfare of the student body, men students of the First and Second Years, and women students of the First and Third Years, in every Faculty, and all students coming to the University for the first time, are required to be medically examined. The hours of such examinations are announced at the beginning of the session. Any student who has failed to comply with this regulation before the 1st of November will be fined $5.00. Any student who has failed to comply before the 8th of November will be fined an additional $5.00. Any student who has failed to comply before the 15th of November will be suspended. Re-examinations are held frequently throughout the session for those students who are of low category, or who are suffering from physical disability.

Students of all years, who wish to engage in athletic activities, are also required to be medically examined.

VACCINATION

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination within seven years, or of insusceptibility to vaccine within five years. Failing this, students must be vaccinated at once in a manner satisfactory to the medical examiner.

The penalties for non-compliance with this regulation are those stated above for the medical examination.

HEALTH

Provision is made by the Department for the care of the health of undergraduates during the session. If a student's admission to Hospital is requisitioned for by the Department, but not otherwise, one-half of all public ward charges is met by the University. A leaflet and handbook concerning this service and the general work of the Department are distributed at the opening of the session.

ATHLETICS

All students in good standing who are taking a course of study held to be sufficient by a special committee of the Faculty in which they are enrolled will be allowed to take part in athletics, subject, however, to the general regulations regarding medical examination.

During the session and including the Christmas holidays, all teams and individual *students desiring to participate in "outside"* athletics* must first apply to the Captain or Manager of the club concerned, who must secure the permission of the Athletics Manager, by whom all such sanctions are granted.

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*"Outside athletics" is interpreted to mean athletics over which the Athletic Board of the University or the Canadian Intercollegiate Athletic Union does not have control.

Should any student take part in any athletic contest not having been sanctioned as above, or who is not personally qualified under the regulations regarding eligibility, medical examination, etc., such student shall be immediately debarred from participating in all University athletics. He shall be reported to the Athletic Board, which body shall, if it sees fit, request the offender to withdraw from the University, if the consent of the Principal has been given, until Corporation shall meet to deal with the matter.

(For further regulations see handbook published by the Athletic Board.)

FEES

TUITION FEES:

1. Annual undergraduate fee for British students..... $275.00
   By instalments: Each of two instalments..... 140.00
   Annual undergraduate fee for Non-British students..... 350.00
   By instalments: Each of two instalments..... 177.50
2. Undergraduates repeating a year pay one half the regular tuition fee. This includes dissecting material, chemical reagents, laboratories, etc.
3. Qualified partial students are admitted to one or more courses on payment of special fees.
4. The fee for the graduate course in Public Health, including laboratory and outdoor work, is $110.00 for British and $140.00 for Non-British students.

OTHER UNIVERSITY FEES:

5. Registration (British)..... $5.00
   Registration (Non-British)..... 10.00
   The Registration Fee is paid only once—when the student first enters the University.
   Late registration, after September 19th..... 5.00
   Late registration, after September 26th..... 10.00
   Supplemental Examinations, each paper..... 10.00
   Receipts for supplementals must be shown to the Dean's Office before the examination.
   Annual Health Service (see page 30)..... 5.00
   Graduation (British)..... 10.00
   Graduation (Non-British)..... 15.00
   Duplicate Graduation Diploma..... 10.00
   Certified copy of student's record..... 1.00
   Conferring degree *in absentia*..... 10.00
   Ad eundem fee for students from another university entering any year above the First..... 10.00
   Fine for late medical examination (see page 30)..... $5.00 or 10.00

6. *Caution Money.* Every student is required to make a deposit of $10.00 as Caution Money to cover damage done to furniture, apparatus, books, etc. This amount, less deductions, is returned at the close of the session.

STUDENTS' ACTIVITIES:

7. A sessional fee of $18.00 is payable by all men undergraduates and $12.00 by all women undergraduates, for the support of student organizations, for the rinks and tennis courts and for admission to all home games under the control of the Athletic Board.
8. Partial students pay $3.00 for athletics and athletic grounds. If they desire such of the privileges of Section 7 as are open to them, an additional $9.50 is charged for men students and $8.00 for women students.

GENERAL REGULATIONS:

9. Fees are due and payable at the Bursar's Office on Tuesday, September 19th, Wednesday, September 20th, Thursday, September 21st, but they may be paid before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional $2.00 is charged for payment after the specified dates.
10. Students registering late pay their fees at the time of registration failing which they become subject to the provisions of Regulation 9.
11. Any student who fails to pay his fees within a month of the prescribed date is suspended until all the fees due have been paid.
12. All fees are payable in Canadian currency.
13. Domicile will in general determine whether a student pays the British or Non-British fees. A student who is uncertain which rate he will be required to pay should consult the Registrar.

UNIVERSITY LOAN FUND

A Student Loan Fund has been established by the University to assist needy students in the upper years of all Faculties. Loans are made only to students with good academic standing.

For further particulars students should consult the Dean of the Faculty.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine.

STUDENTS' EXPENSES

1. BOARD AND RESIDENCE

No college residences have as yet been erected for men students, but dormitory accommodation for about 60 is provided in Strathcona Hall, the home of the Student Christian Association of McGill University. Full particulars concerning terms of residence, etc., may be obtained from the Secretary of the Association, 772 Sherbrooke Street West, Montreal, who will also make arrangements to have students who are strangers to the city met on arrival and helped to secure lodgings, if due notice is sent of the station and time at which they will arrive.

The University Lodgings Committee issues annually a list of lodgings and boarding houses which have been inspected and approved. This list, which gives prices of rooms and meals, may be consulted in the Registrar's Office, in the Medical Building, in the Students' Union or in Strathcona Hall.

Board and lodging can be obtained in private houses in the vicinity of the University buildings at a cost of $35 to $60 per month; or separately, board from $25, and a room from $12 upwards per month.

Board is furnished in the McGill Union at low rates. The dining room, which is a special feature of the Union, will accommodate over 120 students at a time. There is also a lunch counter where meals are served *à la carte*.

2. APPROXIMATE ESTIMATE OF ANNUAL COST FOR A BRITISH STUDENT

	Minimum	Moderate
Tuition Fees	$275.00	$275.00
Fee for Athletics, Union, etc	18.00	18.00
Other fees (average)	8.00	8.00
Board and Lodging	300.00	500.00
Books, Instruments, etc	153.00	173.00
	$754.00	$974.00

It will be noted that in the above estimate no account is taken of personal expenses, such as cost of clothes, laundry, etc., nor yet of the caution money deposit of $10.00 which is made by each student at the commencement of the session. Students are advised also to reckon on at least $20.00 to $25.00 per annum for subscriptions of various kinds.

COURSE FOR THE M.D., C.M. DEGREE AND EXAMINATIONS

Certain fundamental changes have been initiated in the curriculum, rendering it much more flexible, more balanced and affording the student a certain freedom of choice. Thereby, too, the student assumes more responsibility for his own education. Incidentally he is relieved from an over-crowded curriculum in order to have more time for independent thought and work.

While a certain sequence of courses is essential to a well-ordered curriculum, he will no longer be passed on from year to year in lock step, but may assume greater latitude in the selection of the form and matter of study, and to some extent, too, in the choice of clinical teachers.

A. THE MEDICAL COURSE

The Academic year is divided into three terms of ten weeks and the minimum period of study required for the degree is fifteen terms (five years).

The subjects comprised in the medical course are arranged in two groups:

The Preclinical Group:

Anatomy.
Histology and Embryology.
Biochemistry.
Physiology.
Pharmacology.

The Clinical Group:

Bacteriology.
Pathology.
Public Health and Preventive Medicine.
Medicine (including Pædiatrics, Neurology, Psychiatry, Dermatology and Laboratory Diagnosis).
Surgery (including Urology and Orthopædic Surgery).
Obstetrics and Gynæcology.

Ordinarily, the preclinical subjects occupy two years and the clinical group three years of the course.

In each group the courses offered are of two kinds:

Required Courses covering the ground which is essential to the training of a medical practitioner.

Elective Courses designed to give a broader and deeper training in the major subjects and the specialties.

The required courses are arranged in such a manner that a considerable amount of the student's time is left free for the independent study and for elective courses in the pre-clinical and clinical subjects.

The required subjects of each group will ordinarily be taken in a definite sequence but qualified students may be allowed to arrange their schedule in accordance with their interests and previous training.

B. EXAMINATIONS

1. *Final or University Examinations* will be held in each major required subject of the curriculum. Grades attained in these examinations will be entered in the students' records, and will be the only grades used in determining aggregate standing.

To qualify for the University examinations the student must have fulfilled the following conditions:

Anatomy: must have completed three terms of instruction in the subject and have passed all the required course examinations.

Histology and Embryology: must have satisfactorily completed three terms of instruction in the subject and have passed all required course examinations.

Physiology: must have satisfactorily completed five terms of instruction and have passed all required course examinations.

Biochemistry: must have completed two terms of instruction and have passed all course examinations in the subject.

Pharmacology: must have satisfactorily completed one term of instruction.

Bacteriology: must have completed a course in Bacteriology *and* must have taken at least six terms of clinical instruction.

Pathology: must have completed at least six terms of work in the subject.

Public Health: must have completed the course and have taken at least six terms of clinical instruction.

Medicine: the *written* examination may be taken at any time after completion of six terms of clinical instruction, including three terms in Medicine. The *practical* examination may be taken on completion of nine terms of clinical instruction.

Surgery: the *written* examination may be taken at any time after completion of six terms of clinical instruction, including three terms in Surgery. The *practical* examination may be taken on completion of nine terms of clinical instruction.

Obstetrics: both written and practical examinations may be taken on the completion of nine terms of clinical instruction.

2. *Departmental or Course Examinations*, i.e., examinations held during, or at the conclusion of individual courses in any subject and for the purpose of determining the students' progress and fitness to proceed in a given subject.

The following special regulations have been adopted in respect to course examination in the clinical subjects:

1. *Pathology*—A course examination on the termination of the course in General Pathology (9th term).
2. *Medicine*—At the end of each term the group teachers shall report on the progress made by each student in their groups; in addition to this, there shall be a written examination at the end of the 3rd and an oral examination at the end of the 4th year. Written examinations in Pædiatrics, Therapeutics, and Psychiatry will be held during the 4th year.
3. *Surgery*—At the end of each term the group teachers shall report on the progress made by each student in their groups; in addition to this, there shall be a written examination at the end of the fourth year.
4. *Obstetrics*—An oral examination at the end of the course of didactic lectures in the 3rd year; and an oral and practical examination at the end of each term in the 4th year.

To qualify for the Final Examinations leading to the degree, a student must have passed the course examinations in the required subjects of the clinical group, and must have satisfactorily completed the prescribed courses of study and practice in:

I. Ophthalmology.
II. Otolaryngology.
III. Psychiatry.
IV. Infectious Diseases.
V. Anæsthesia.
VI. Pathological Anatomical Technique and methods of Post Mortem Examination and Diagnosis.
VII. Public Health Survey.

The Final Examinations in Medicine, Surgery and Obstetrics must all be passed at one time, but a student who fails in one of these subjects only may, at the discretion of the Faculty, be allowed a re-examination in that subject at the next regular examination period, provided that he shall have satisfactorily completed such additional work as may be prescribed by the Head of the Department concerned.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

At the end of the Spring Term, the Promotion Committee will consider the cases of all students who at the conclusion of their third term are reported by their instructors as having fallen below the grade of C and shall determine whether such students are to be allowed to continue, warned, required to repeat the course or courses, or to retire from the Faculty.

NOTE:—The "Required Courses," together with suitable "Elective Courses" in the second year, will qualify a candidate for the First (Primary) Examination for Fellowship in the Royal College of Surgeons of England and for the Primary Examination for Fellowship in the Royal College of Physicians and Surgeons of Canada.

C. GRADING

At the conclusion of each course, students will be graded in five groups, as follows:—

A = Excellent
B = Good
C = Fair
D = Doubtful
E = Failure

In reporting the grading, the names of those students who attain "A" standing shall be arranged in order of merit; in all other grades the arrangement shall be alphabetical.

The grade assigned to a student shall be based upon the result of the Final Examination, but the instructor will also take into account the record of the work done throughout the course.

The quality of the English used by a candidate will be taken into account in determining his standing in all examinations.

MEDALS, PRIZES, FELLOWSHIPS AND SCHOLARSHIPS

MEDALS

The Holmes Gold Medal, founded by the Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., one time Dean of the Faculty of Medicine, is awarded to the student graduating with the highest aggregate number of marks in the different branches comprised in the medical curriculum.

The student who wins the Holmes Medal has the option of exchanging it for a bronze medal and the money equivalent of the gold medal.

The Wood Gold Medal, founded by Casey A. Wood, M.D., LL.D., awarded to the student graduating with the highest aggregate number of marks in the clinical examinations of the Final Year. The winner of the Holmes Medal is not permitted to compete for this medal.

The Sutherland Gold Medal, founded in 1878 by the late Mrs. Sutherland, in memory of her late husband, William Sutherland, M.D., formerly Professor of Chemistry in this Faculty, is awarded for the best examination in Bio-chemistry, together with a creditable examination in the primary branches.

The Lieutenant-Governor's Silver Medal, to be awarded to the student of the final year, who in the opinion of the head of the Department of Public Health and Preventive Medicine, is most proficient in that subject.

The Lieutenant-Governor's Bronze Medal, to be awarded to the student who obtains the highest standing in the Final Examination in Physiology.

PRIZES

The Joseph Hils Prize. (Founded by the late Dr. Joseph Hils, of Woonsocket, R.I.)—A prize in books, awarded to the student who obtains the highest number of marks in the subject of Pharmacology.

The Joseph Morley Drake Prize. (Founded by the late Joseph Morley Drake, M.D.).—A prize in books, to be awarded to the student who obtains the highest number of marks at the Final Examination in Pathology.

Primary Prize. A prize in books awarded for the best aggregate standing in the subjects of the first division (Anatomy, Histology, Physiology, Biochemistry).

The F. Slater Jackson Prize. An annual prize of $50.00, founded by Mr. and Mrs. H. F. Jackson in memory of their son, the late F. Slater Jackson, M.D. The prize is awarded on the result of a special examination, written and oral, in Histology and Embryology.

The Alexander D. Stewart Prize. An annual prize in books, founded by the late W. Grant Stewart (Arts 1885, Med. 1888) in memory of his brother, the late Alexander D. Stewart (Med. 1888), to be awarded to the member of the graduating class who, in the opinion of the Faculty, presents in every respect the highest qualifications to practise his profession.

FELLOWSHIPS

The A. A. Browne Memorial Fellowship.—The sum of $10,000 was received by the Faculty from the committee of the A. A. Browne Memorial Fund. With this sum a fellowship has been established, to be known as the "A. A. Browne Memorial Fellowship." This fellowship is open to graduates of any recognized Medical School and is for the advancement of medical science, special preference being given to the subjects of obstetrics and gynæcology.

The James Douglas Research Fellowship.—The sum of $25,000 was donated by the late Dr. James Douglas, the proceeds to be devoted to co-ordinated research in the laboratories of pathology in or associated with the University.

The James Cooper Fellowships for the Study of Internal Medicine.—This fund of $60,000 was donated in 1912 by the will of the late James Cooper of Montreal to promote study and research in Internal Medicine.

The John McCrae Fellowship.—A fellowship of approximately $600, founded in 1918 as a yearly donation by Mr. H. J. Fuller, of New York, in memory of the late Lt.-Col. John McCrae, for the purpose of scientific research in Experimental Surgery. Established as a permanent fellowship in 1920 by Mr. Fuller and the Canadian Fairbanks-Morse Company.

The John W. Flinn Research Fellowship.—In 1921, Dr. John W. Flinn, of Prescott, Arizona, gave the sum of $5,000, to be paid in five equal annual instalments of $1,000, this sum to be used for the assistance of medical research in tuberculosis.

The Clara Law Fellowship, founded in 1927 by Mrs. J. R. Fraser for the furtherance of research in the laboratory of the Department of Obstetrics and Gynæcology, is of the value of $1,200 per annum.

The Walter J. Hoare Memorial Scholarship.—A sum of $5,500 has been donated by the late Dr. Charles W. Hoare, a graduate of McGill University, for Scholarships in Medicine, in memory of his son, Walter J. Hoare, who was killed in the Great War. These Scholarships are open annually to pupils of the Collegiate Institutes of the counties of Essex, Kent and Lambton entering the Faculty of Medicine.

The Dr. J. Francis Williams Fellowship in Medicine and Clinical Medicine of $500, founded by the late J. Francis Williams, M.D., to be awarded on the result of a special examination open to students of the final year, who have had a high general scholastic standing and who are approved by the heads of the Department of Medicine.

The Dr. J. H. B. Allan Scholarship of $300, founded by bequest of Mrs. Agnes W. Allan, mother of Dr. J. H. B. Allan, to be awarded to the graduate of this Faculty who shall present the best thesis written during his period of residency in one of the teaching hospitals connected with McGill University.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all of the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for five full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University.

3. No one shall be permitted to become a candidate for the degree who shall not have attended at least one full session at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

5. He must have attended during at least three sessions or nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.

6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.

7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the rights to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensure is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B.—In order that disappointment and loss of time may be avoided, the University *requires Canadian students to register with the licensing body of their home province before beginning their medical course.*

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. J. Gauvreau, 354 St. Catherine Street E., Montreal.

ONTARIO—Dr. H. Wilberforce Aikens, 170 University Avenue, Toronto, Ont.

NEW BRUNSWICK—Dr. S. H. McDonald, 56 Colborne Street, Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. H. D. Johnson, 51 Grafton St., Charlottetown, P.E.I.

MANITOBA—Dr. W. G. Campbell, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. George R. Johnston, Calgary, Alta.

SASKATCHEWAN—Dr. A. MacG. Young, Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. P. Proctor, Vancouver, B.C.

The Registrar for Newfoundland is Dr. T. Mitchell, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

COURSES OF INSTRUCTION

ANATOMY

THE ROBERT REFORD PROFESSOR:—S. E. WHITNALL

ASSOCIATE PROFESSOR:—J. BEATTIE

LECTURER:—H. E. MACDERMOT

SENIOR DEMONSTRATOR:—D. S. FORSTER

DEMONSTRATORS:—F. D. ACKMAN, E. H. CAYFORD, J. R. DEAN; H. M. ELDER, R. R. FITZGERALD; G. D. LITTLE, J. R. LOCHEAD, S. J. MARTIN; R. M. H. POWER, H. G. PRETTY; W. W. RUDDICK, H. G. ROSS

The Required Courses in Anatomy are given in the first three terms of the Medical Course. In subsequent terms of the Second Year, opportunity is afforded through the Elective Courses for a complete revision in Anatomy together with choices of advanced work.

Required Courses

1. **Lecture Course in Gross Anatomy.**
   Three hours weekly through the Autumn, Winter and Spring Terms.....Professors Whitnall and Beattie

   Text-books:—Gray's "Anatomy" (English Edition); Whitnall's "Study of Anatomy."

   Reference books:—Quain, Cunningham, Piersol, Keith's "Human Embryology and Morphology." Keith's "Menders of the Maimed"; Hilton's "Rest and Pain." Spalteholz Atlas.

2. **Laboratory Course in Gross Anatomy.**
   Fifteen hours weekly during the Autumn and Winter Terms, and fourteen hours weekly during the Spring Term.
   Professor Whitnall and Staff.

   Practical Manual:—Stibbe.

3. **Tutorials:** Devoted mainly to the study of osteology and surface anatomy.
   One hour weekly throughout the session.
   Drs. MacDermot and Forster.

4. **Discussions:** Informal class discussions upon problems and difficulties.
   One hour a week throughout the session.....Professor Beattie.

Elective Courses

5. **A Revision of the Whole Body by Dissection.**
Time required, three afternoons a week.

6. **Neurology:** A series of colloquia on the anatomy of the Nervous System. Lectures and demonstrations.....Professor Beattie.

7. **Special Regions.** Two afternoons a week.
Professor Whitnall and Staff.

Additional Courses

8. **Ophthalmological Anatomy:** Mainly a laboratory course designed for graduates in Medicine who intend to specialize in Ophthalmology. By arrangement. Details on application.....Professor Whitnall.

9. **Oto-laryngological Anatomy:** A similar course.
By arrangement. Details on application.....Professor Whitnall.

10. **Comparative Anatomy of the Primates:** Offered for students taking the Course in Biological Sciences in the Faculty of Arts and Science. The course is based upon and continues the work of general comparative anatomy and leads on to the study of human anatomy. Two lectures or colloquia and two hours of laboratory work per week during the year.....Professor Beattie.

HISTOLOGY AND EMBRYOLOGY

PROFESSOR:—J. C. SIMPSON
LECTURER—H. E. RAWLINSON
LECTURERS IN HISTOLOGY:—D. J. BOWIE, W. M. FISK
DEMONSTRATOR IN HISTOLOGY:—J. R. DEAN
ASSISTANT DEMONSTRATORS IN EMBRYOLOGY:—N. W. PHILPOTT

1. Histology and Embryology.

Two lectures and six hours of laboratory work per week throughout the session.

Lectures —Mon. and Wed. at 2.
Laboratory—Div. A.—Tues. 2--5. Thurs. 9–12.
Div. B.—Tues. 9–12. Thurs. 2–5.
Professor Simpson, Dr. Rawlinson and Staff.

Text-book:—Lewis & Bremer.

Reference books:—Jordan "Histology"; Bailey, Schaffer, Arey "Embryology"; Jordan "Embryology"; Simkins "Embryology"; S. Maximow "Histology."

2. Dental Histology.

A detailed study of the development and structure of the teeth and associated parts.

Three hours a week during the third trimester.....Dr. Bowie.

The following three courses run consecutively, and are open to students who have completed Course 1 or its equivalent.

3. Cytology.

A study of the animal cell as a unit of structure and function in the living body.

Wednesday 10–12 (Sept. 20–Nov. 28).....Dr. Rawlinson.

4. Regeneration and Repair of Tissues.

A study of the normal repair and regeneration of tissues.

Wednesday, 10–12 (Nov. 29–Feb. 20).....Professor Simpson.

5. Advanced Embryology.

A consideration of the development of organs and systems, with especial reference to its clinical significance.

Wednesday, 10–12 (Feb. 21–April 30).

Professor Simpson and Dr. Rawlinson.

PHYSIOLOGY

THE JOSEPH MORLEY DRAKE PROFESSOR:—JOHN TAIT

RESEARCH PROFESSOR:—BORIS P. BABKIN

ASSISTANT PROFESSOR:—N. GIBLIN

LECTURER:—S. DWORKIN

DEMONSTRATORS:—G. F. SUTHERLAND, D. A. ROSS

Required Courses

1. **Introductory Course**—Lectures and Demonstrations.
   In this course, which is comprehensive rather than detailed, the general principles of the subject are dealt with.
   Three hours a week during the first half session, and two hours a week during the second half session.

2. **Intermediate Course**—Lectures, Demonstrations and Laboratory. Three lectures, one demonstration and six hours laboratory work a week. Autumn Term.

   The more detailed description of the nervous system and sense organs forms a part of this course. The accompanying laboratory course consists of experiments on surviving parts of the frog and on the human subject.

   Laboratory manual:—Sharpey-Schäfer, "Experimental Physiology."

3. **Senior Course**—Lectures, Demonstrations and Mammalian Laboratory.

   During these lectures the survey of the subject for undergraduate medical purposes is completed. The laboratory work accompanying the course involves a more advanced operative and instrumental technique.

   Three lectures, one demonstration and six hours of laboratory work. Winter Term.

   Laboratory manual:—Sherrington, "Mammalian Physiology."
   Text-books:—Howell, Macleod, Starling.

Elective Courses

4. **Lectures on Selected Advanced Topics.**

   Professors Babkin and Giblin.

   During each year a variety of subjects is handled. As these vary from year to year, the titles will be announced at the commencement of the Autumn Term. The lectures are held twice a week throughout the Graduate Faculty teaching session. For elective purposes special parts of the course may be separately attended.

5. **Applied Physiology.**

   This course is designed for second year medical students who are interested in the clinical applications of the physiological knowledge they have obtained from the regular undergraduate courses. One lecture-demonstration per week during the Autumn Term, three hours per week advanced laboratory during the Winter Term, and one hour per week hospital clinic during the Spring Term.

   Dr. Dworkin, Dr. Sutherland, Mr. Ross.

Courses only for Graduate Students.

6. **Lectures on Structure and Function**.....Professor Tait.
7. **Advanced Laboratory.**
8. **Physiological Colloquium.**

PSYCHOLOGY

Professor of Abnormal Psychology:—J. W. Bridges
Assistant Professor of Abnormal Psychology—
K. M. Banham Bridges

Elective Courses

1. **Normal and Abnormal Psychology.** Psychophysiological standpoint, the relation of abnormal to normal mental life and behaviour, the mechanism of behaviour and the physical basis of consciousness,

theories of the unconscious, the motivation of behaviour, association and dissociation; imitation, suggestion, instinct, habit, emotion, memory, intelligence, character, temperament, and their abnormalities.
Text-book:—Bridges, J. W., Psychology, Normal and Abnormal.
Two lectures a week. Autumn Term.....Professor J. W. Bridges.

The following are one term courses open to students in the Third, Fourth and Fifth Years and to graduates.

2. **Mental Measurements.** Intelligence tests, ratings of character and temperament, and other mental examination methods.
The course will include practice in giving tests:
This course is intended for students specializing in psychiatry.
By arrangement.....Prof. J. W. Bridges.

3. **Child Psychology.** Aspects of mental development, with special reference to the pre-school child. The course will include practical observations in the Montreal Foundling Hospital.
This course is intended for students specializing in pediatrics.
By arrangement..... Asst. Prof. K. M. B. Bridges.

4. **Psychology in Industry.** The selection of employees, the worker's efficiency, and his adjustment to his task.
This course is intended for students specializing in Industrial Medicine.
By arrangement..... Prof. J. W. Bridges.

BIOCHEMISTRY AND PATHOLOGICAL CHEMISTRY

PROFESSOR:—J. B. COLLIP

ASSOCIATE PROFESSOR:—D. L. THOMSON

LECTURER—H. SELYE

LECTURERS ON PATHOLOGICAL CHEMISTRY:—E. H. MASON, I. M. RABINOWITCH

RESEARCH FELLOWS:—R. L. KUTZ, L. I. PUGSLEY, E. M. ANDERSON, P. T. BLACK

ASSISTANT DEMONSTRATOR:—E. H. BENSLEY

In addition to the required courses of lectures and laboratory exercises, an elective course of lectures, conferences and laboratory work is offered in which one section of the general field is treated in greater detail. Both these courses are designed primarily for medical students, and are intended as an introduction to clinical chemistry and medicine. Advanced lectures on various topics are also given in the Department, as set forth in the Announcement of the Faculty of Graduate Studies, and undergraduates are permitted to attend these lectures.

Required Courses

1. Biochemistry—Lecture Course:

This course forms a general introduction to the subject and is divisible into four parts: first, a survey of the chemical nature and physicochemical properties of the foodstuffs and the constituents of living matter; second, an account of the transformations undergone by these substances in digestion and metabolism; third, the principles of the science of nutrition; fourth, an introduction to pathological chemistry.

Text-books:—Bodansky: "Introduction to Physiological Chemistry." Cameron: "A Text-book of Biochemistry."

Reference books:—Peters & van Slyke: "Quantitative Clinical Chemistry," Gortner; "Outlines of Biochemistry," Thomson: "The Life of the Cell," Lusk: "Science of Nutrition," Cameron and Gilmour, "The Biochemistry of Medicine."

Monday, Wednesday and Friday at 9, during the Autumn and Winter terms.

1L. Biochemistry—Laboratory Course:

The exercises will deal with the practical side of the subjects treated in the lecture course, such as the chemical properties of the carbohydrates, fats, and proteins, and the qualitative and quantitative analysis of blood, urine, and other body fluids for their most significant constituents, by volumetric and colorimetric methods. A synopsis of the course is issued by the Department.

Reference books:—Hawk & Bergeim, "Practical Physiological Chemistry." Folin, "Laboratory Manual of Biological Chemistry."

Eight hours a week. Monday, Wednesday and Friday mornings in the Autumn and Winter terms.

Elective Courses

2. Endocrinology and Metabolism:

In this course a survey will be made of the ductless glands, the action of hormones on growth and reproduction and on the metabolism of various substances, in health and disease.

Reference books:—Pryde, "Recent Advances in Biochemistry"; Lovatt Evans, "Recent Advances in Physiology"; Parkes, "The Internal Secretions of the Ovary," in addition to those listed in Course 1. Allen—"Sex and Internal Secretions."

Two hours a week—Monday and Friday at 2, in the Autumn and Winter terms.

PATHOLOGY

STRATHCONA PROFESSOR:—HORST OERTEL

ASSOCIATE PROFESSOR:—L. J. RHEA

ASSISTANT PROFESSOR:—T. R. WAUGH

LECTURER AND DOUGLAS FELLOW IN PATHOLOGY:—W. H. CHASE

LECTURER:—J. E. PRITCHARD

LECTURER IN NEUROPATHOLOGY:—W. V. CONE

ASSISTANT DEMONSTRATORS:—D. S. CRUM, D. R. COMAN, G. H. FISH, R. A. JACKSON, C. M. MCLEOD, F. W. WIGLESWORTH

CURATOR OF MUSEUM:—W. H. CHASE

NOTE: Students for the degree of Doctor of Medicine are advised to commence the study of Pathology at the beginning of their clinical instruction, i.e., in the Third Year, and pursue it in the following order:

First: General Pathology, with its laboratory course in general pathological anatomy and histology (Courses A1 and A2).

Second: Special Pathology (Course B1), including the special didactic courses on the diseases of the blood forming organs, the more important ductless glands, and of the nervous system (Courses B2, B3, B4), with the laboratory course in special pathological anatomy and histology (Course B5), and also to attend the demonstrative courses and practical exercises in pathological anatomical methods (Course B6).

It is desirable that students should continue to attend the demonstrative courses and practical exercises in pathological anatomy and choose from the electives throughout the rest of their study. Students may find it advantageous to refresh their minds during their later clinical years in certain parts of General and Special Pathology in which they are interested by returning to the didactic lectures in General and Special Pathology in addition to taking up some of the electives.

A study room has been set aside in the Pathological Institute more particularly for the students of Special Pathology and those under advanced clinical instruction, in which gross and microscopic material illustrative of topics discussed in the didactic lectures are weekly put on exhibition for personal study, at the student's leisure. Museum material may also be requisitioned. This room is open from 9 a.m. to 6 p.m. during the session, and demonstrators will be available for consultation.

Required Courses

I. Didactic Lectures.

A1. General Pathology and Pathological Anatomy.
Two lectures (with epidiascope demonstrations) a week.
Autumn Term—Tuesday and Thursday, 4 p.m.
Winter and Spring Terms—Monday and Friday, 4 p.m.
Pathological Institute.....Professor Oertel.

B1. Special Pathological Anatomy and Pathogenesis of the Circulatory, Respiratory, Digestive and Renal Systems.
One lecture with epidiascope demonstrations a week.
Autumn Term—Friday, 4 p.m.
Winter and Spring Terms—Wednesday, 4 p.m.
Pathological Institute.....Professor Oertel.

B2. Diseases of the Blood Forming Organs.
One lecture a week. Autumn Term—Monday, 4 p.m.
Pathological Institute.....Professor Waugh.

B3. Pathological Anatomy of the More Important Ductless Glands.
One lecture a week. Winter Term—Tuesday, 4 p.m.
Pathological Institute.....Dr. Chase.

B4. Pathological Anatomy of the Nervous System.
One lecture a week. Spring Term—Tuesday, 4 p.m.
Pathological Institute.....Dr. Cone.

II. Practical Courses.

A2. Laboratory Course in General Pathological Anatomy and Histology (including the methods of microscopic technique and diagnosis with practical exercises in the living animal, in fresh and in hardened tissues). Six hours weekly.
Winter and Spring Terms—Tuesday and Thursday, 2 p.m.
Pathological Institute.....Professor Oertel and Demonstrators.

B5. Laboratory Course in Special Pathological Anatomy and Histology. Four hours weekly.
Winter and Spring Terms—Monday and Friday, 4 p.m.
Pathological Institute.
Professor Waugh, Dr. Chase, Dr. Cone and Demonstrators.

B6. Demonstrative Course and Practical Exercises in Pathological Anatomical Methods and Diagnosis (including autopsy technique and references to medico-legal practice).

Autumn, Winter and Spring Terms—Saturday morning, 11–12.30.
Pathological Institute.....Professor Oertel.

C1. Performance of Autopsies—Group Instruction.

Autumn, Winter and Spring Terms. Time according to material.
Pathological Institute.....Dr. Chase and Demonstrators.
Montreal General Hospital.....Professor Rhea and Demonstrators.

Elective Courses

B7. Special Pathological Anatomy of Bones.
Spring Term—Thursday, 4 p.m.
Pathological Institute.....Professor Waugh.

B8. Special Hæmatological Technique.
Lectures and demonstrations on the more important hæmatological methods of examining the blood.
Winter Term—Thursday, 4 p.m.
Pathological Institute.....Professor Waugh.

C2. Methods of Post-Mortem Examination, (including the methods of anatomical description and protocoling). For advanced students and physicians preparing for medico-legal practice. Time to be arranged.

Pathological Institute.....Dr. Chase

C3. Demonstration and Discussion of Specimens Removed at Operation, (including microscopic diagnosis and interpretation). For advanced students.

Autumn, Winter and Spring Terms—Wednesday, 3 p.m.
Pathological Institute.....Professor Waugh.

BACTERIOLOGY AND IMMUNITY

PROFESSOR:—E. G. D. MURRAY
LECTURERS:—W. W. BEATTIE, F. SMITH
DEMONSTRATOR:—D. H. STARKEY

Required Courses

All lectures and laboratory courses are given in the Department of Bacteriology (Institute of Pathology).

Course 1. Elementary Medical Bacteriology and Immunity.

Thirty lectures and 60 hours practical work. Third Term. Available to medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology and Biochemistry; also to students in their third year in Arts and Science reading for the B.Sc. Honours in Bacteriology.

Course 2. Applied Medical Bacteriology and Immunity and the processes of Infectious Diseases.

20 Lectures and 60 hours practical work. First and Second Terms. Available to Medical Students who have completed two years of clinical work.

Course 3. Bacteriology and Immunity for Honours B.Sc. (daily throughout the year; available only for Honours students in their Fourth year).

A. General Bacteriology—Thirty-five lectures and 175 hours practical work.

B. Systematic Bacteriology—Sixty-five lectures and 325 hours practical work.

C. Immunology—Fifty lectures and 250 hours practical work.

(Full details of the courses can be obtained by application to the Registrar.)

CURRICULUM FOR B.Sc. HONOURS IN BACTERIOLOGY

Prerequisite:—An aggregate standing of high second class must be obtained in the subjects submitted for the First Year.

The Head of the Department should be consulted in selecting subjects to be studied in the Second and Third Years. The following subjects are suggested as suitable for the average student.

Second Year—General Zoology; Organic Chemistry; Histology; Elementary Physical Chemistry; Elementary Physiology; Colloid Chemistry.

Third Year—Biochemistry; Physiology; Elementary Medical Bacteriology; General Physiology (Dr. Scarth). In addition Pharmacology and Comparative Anatomy of Vertebrates are optional.

Fourth Year—Bacteriology Course 2.

Students of Medicine who have done sufficiently well in their Medical Bacteriology and in their Medical studies in general will be admitted to Course 2, Section C.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

PROFESSOR AND DIRECTOR:—A. GRANT FLEMING

STRATHCONA PROFESSOR OF HYGIENE:—T. A. STARKEY

ASSISTANT PROFESSOR:—R. ST. J. MACDONALD

ASSISTANT PROFESSOR OF MENTAL HYGIENE:—W. T. B. MITCHELL

ASSISTANT PROFESSOR OF INDUSTRIAL HYGIENE:—FRANK G. PEDLEY

LECTURER IN MENTAL HYGIENE:—C. M. HINCKS

DEMONSTRATOR IN MENTAL HYGIENE:—BARUCH SILVERMAN

DEMONSTRATOR IN INDUSTRIAL HYGIENE:—R. VANCE WARD

The instruction in Public Health and Preventive Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine.

In order that the importance of Public Health and Preventive Medicine may be kept before the student, short courses are given in the First and Second Years. These courses are of an introductory nature and, from a historical background, develop the needs and opportunities for preventive medicine and its social implications.

The Department aims to correlate the teaching of the preventive aspects of medicine with the teaching of other departments in their special field. In addition, those phases of the subject that are not included elsewhere are covered, such as water, milk and food supplies, public health administration, hygiene of the school child, industrial hygiene and mental hygiene.

The course in Mental Hygiene, included in the teaching of the Department of Public Health and Preventive Medicine, attempts to give the student an understanding of what is possible and of what is being done in the way of preventing nervous and mental diseases, delinquency and crime, and social failure. This implies a knowledge of what is normal in the way of behaviour responses at the different stages of the individual development; of how we may recognize and deal with significant deviations from the average response; the factors underlying individual success and failure; the place and the means of introducing mental health principles into home, school, social and industrial situations.

The hygiene of the child of school age includes, for consideration, the chief points of a school health service, its scope, and the duties of the School Medical Officer, a post frequently undertaken by the general practitioner.

Industrial Hygiene deals with the application of the principles of preventive medicine to industry. The various factors which influence the health of work people are discussed, and the means which may be taken to supervise their health and safety are considered.

In the Third Year, visits of inspection are made to plants selected to illustrate the general principles of water purification, and the modern dairy plant, including pasteurization.

A brief course in Applied Public Health Bacteriology is given to familiarize the student with the facilities available, the method of taking specimens, the methods of examination and the interpretation of laboratory reports on water, milk, sputum, nose and throat swabs.

A health study of the student's home town, or some other place acceptable to the Department, is required before the beginning of the Fifth Year. This study requires individual field work by each student.

Required Courses

1. **Introduction to Public Health and Preventive Medicine.**
   Spring term—Monday, 4 p.m.
   Professors Fleming, Macdonald and Mitchell.

2. **Public Health Organization and Administration.** (Including related community services.)
   Spring term—Wednesday, 9 a.m.
   Professors Fleming, Macdonald and Dr. Silverman.

3. **Mental Hygiene.**
   Autumn term—Tuesday, 3 p.m.....Professor Mitchell.

4. **Practice of Preventive Medicine.**
   Spring term—Monday and Friday, 3 p.m.; Wednesday, 2 p.m.
   Professors Fleming, Starkey, Macdonald and Pedley.

5. **Field Visits, Demonstrations and Applied Public Health Bacteriology.**
   Spring term—Wednesday, 3 p.m.

6. **Communicable Disease Control.**
   Autumn term—Thursday, 4 p.m. Professors Fleming and Macdonald.

7. **Health Study of a City or Town.**

To be submitted during the month of October of the final year. The student is later required to review this study with a member of the staff.

Text-books and Reference books:—

The General Field:—Parkes and Kenwood; Rosenau; Park; Fitzgerald.

Industrial Hygiene:—The Health of the Industrial Worker, Collis and Greenwood; Industrial Health, Hayhurst, Emery and Kober; Industrial Poisons in the United States, Hamilton.

Mental Hygiene:—The Mental Hygiene of Childhood, White.

School Hygiene:—The Fundamentals of School Health, Kerr.

PHARMACOLOGY AND THERAPEUTICS

PROFESSOR:—R. L. STEHLE

ASSOCIATE PROFESSOR OF THERAPEUTICS:—D. S. LEWIS

ASSISTANT PROFESSOR OF PHARMACOLOGY:—K. I. MELVILLE

LECTURER IN PHARMACOLOGY:—H. SCHROEDER

LECTURER IN THERAPEUTICS:—D. GRANT CAMPBELL

LECTURER IN THERAPEUTICS AND DEMONSTRATOR IN PHARMACOLOGY:—W. DE M. SCRIVER

LECTURER IN ANÆSTHESIA:—WESLEY BOURNE

LECTURER IN PHYSIO-THERAPY:—F. W. HARVEY, NORMAN BROWN

DEMONSTRATOR IN PHARMACOLOGY:—J. B. ROSS

PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

Required Courses

1. **Pharmacology.** The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Spring Term supplemented by one conference and one demonstration a week.

The conference groups are limited to four students each.

Drs. Stehle, Melville and Schroeder.

2. **Pharmacological Laboratory.** The experiments are chosen to illustrate the lectures of the preceding course.

Two periods (six hours) a week during the Spring Term.

Drs. Stehle, Melville and Schroeder.

THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine. Courses 3, 3a, 4 and 5 are intended primarily for the fourth year and should be completed before registration for Course 6.

Required Courses

3. **Therapeutics:** Didactic Instruction. A series of approximately 15 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available. These lectures will be given during the Spring Term.

3a. **Therapeutics:** Theatre Lectures. Ten to fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine.

Dr. Lewis and Associates.

4. **Pharmacy and Prescription Writing.** Five lectures and five laboratory periods during the Autumn term.

Dr. Scriver.

5. **Physio-Therapy.** Three lectures and three periods of group instruction at times to be arranged.

Drs. Lewis, Brown and Harvey.

6. **Clinical Therapeutics.** One ward class each week for ten weeks at the Royal Victoria and Montreal General Hospitals in the Autumn, Winter and Spring Terms.

Dr. Lewis and Dr. Campbell.

Elective Courses

7. **Physio-Therapy (Practical):** A course of lectures and demonstrations dealing more fully with the application of physical methods to the treatment of disease.

Drs. Brown and Harvey.

8. **Therapeutics**: A series of ten evening lectures on certain special aspects of medical treatment will be offered if a sufficient number apply. These lectures will be given by those having special interest in the various topics, and will be open to students and graduates.

Text-books in Pharmacology. Cushny, Sollmann, Poulsson, Meyer and Gottlieb, Clark.

Options

Suitably prepared persons may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See announcement of the Faculty of Graduate Studies.

MEDICINE

PROFESSOR AND DIRECTOR OF THE DEPARTMENT:—JONATHAN C. MEAKINS

PROFESSORS:—CAMPBELL PALMER HOWARD, C. F. MARTIN

ASSOCIATE PROFESSOR:—A. H. GORDON

ASSISTANT PROFESSORS:—MAUDE E. ABBOTT, J. KAUFMANN, D. S. LEWIS, E. H. MASON, F. C. MOFFATT, C. A. PETERS, I. M. RABINOWITCH

LECTURERS:—C. C. BIRCHARD, C. R. BOURNE, E. C. BROOKS, J. G. BROWNE, J. S. L. BROWNE, J. R. BYERS, D. G. CAMPBELL, R. V. CHRISTIE, R. H. M. HARDISTY, A. T. HENDERSON, A. H. MACCORDICK, D. W. MCKECHNIE

DEMONSTRATORS:—G. R. BROW, KEITH GORDON, C. R. JOYCE, H. E. MACDERMOT, J. F. MACIVER, J. L. D. MASON, D. L. MENDEL, E. S. MILLS, LORNE MONTGOMERY, E. V. MURPHY, E. E. ROBBINS, J. B. ROSS, W. DE M. SCRIVER, COLIN SUTHERLAND, C. J. TIDMARSH, J. J. WALKER, J. C. WICKHAM

Assistant Demonstrators:—L. J. Adams, W. W. Alexander, Margaret E. B. Cameron, W. W. Eakin, N. Feeney, A. F. Fowler, C. W. Fullerton, W. R. Kennedy, H. N. Segall

PAEDIATRICS

Clinical Professor:—H. B. Cushing

Lecturers:—A. B. Chandler, A. Goldbloom, L. Lindsay, S. Graham Ross, R. R. Struthers, H. P. Wright

Demonstrators:—W. E. Enright, Jessie Boyd Scriver, R. C. Stewart, W. E. Williams

Assistant Demonstrator:—A. K. Geddes

PSYCHIATRY

Clinical Professor:—C. A. Porteous

Assistant Professor:—David Slight

Demonstrators:—B. Silverman, E. C. Menzies

DERMATOLOGY

Clinical Professors:—P. Burnett, J. F. Burgess

Lecturer:—A. A. Bruère

Demonstrators:—C. R. Bourne, L. P. Ereaux

Assistant Demonstrator:—B. Usher

Foreword on the Courses in Medicine. The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded by the establishment of a modern medical clinic at the Royal Victoria Hospital. In this institution and at the Montreal General Hospital there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The courses in internal medicine and its various branches are so arranged as to give the individual student as much independence as possible in his selection of his instructors and time and place of his required and elective courses. The University lectures and clinical lectures are open to students of all years. The student, therefore, may within wide limits determine the period and scope of his instruction. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

Required Courses

1. A course of University lectures on Pathological Physiology and general medicine will be given in the autumn, winter, and spring terms, on Monday, Wednesday and Friday mornings, from 9 to 10 o'clock. This course of lectures will cover the field of medicine and will be delivered at the University Medical Building, by Professors Meakins, Howard, and Assistants.

1a. Courses of lectures will be given in Pædiatrics, Psychiatry and Therapeutics on two afternoons a week during the autumn, winter and spring terms.

2. Clinical lectures in general medicine. A course of clinical lectures will be delivered throughout the autumn, winter, and spring terms, on two days a week. The exact hour in the different institutions will be announced from time to time. These clinical lectures will be given in the Royal Victoria Hospital and the Montreal General Hospital, by Professors Meakins, Howard, Hamilton, Gordon, and Assistants.

3. Clinical lectures in pædiatrics. A course of clinical lectures will be delivered in pædiatrics during the autumn, winter, and spring terms, on one day each week, at the Children's Memorial Hospital, by Professor Cushing and Assistants.

4. A course in the technique of physical examination and normal physical signs will be given in the autumn term, two periods a week, from 10.15 to 11.45 a.m., with one clinical lecture per week as a review. This course will be given to groups of students at the Royal Victoria Hospital and the Montreal General Hospital.

5. This course will cover physical examination and abnormal physical signs, the methods of history-taking, and systematic description of the various systems in a logical order. Its objective will be to prepare students for subsequent clinical and bedside work. It will be given in the autumn, winter and spring terms, four periods a week of two hours each, from 10.15 to 12.15, to groups of students, at the Royal Victoria Hospital and the Montreal General Hospital.

6. A course in clinical microscopy will be given in the winter term only. There will be two laboratory periods a week, from 2 to 4 p.m., on Mondays and Fridays, in the Pathological Institute. This course will be organized so as to give instruction and practice in microscopy as applied to clinical medicine.

Doctors Kaufmann, MacCordick and Assistants.

7. A course in clinical medicine with case reporting and bedside clinics will be given in the autumn, winter and spring terms, to groups of students at the Royal Victoria Hospital and Montreal General Hospital. Each course will occupy five days a week from 9 a.m. to 3.45 p.m.

Professors Meakins, Gordon, Peters, and Assistants.

8. A clinical course in pædiatrics will be given during the autumn, winter, and spring terms. This course will have the following divisions:

(a) Diseases of the New-Born—Royal Victoria Montreal Maternity Pavilion.

(b) Normal Infant-Feeding and Development—Montreal Foundling Hospital.

(c) General Pædiatrics—Children's Memorial Hospital, Royal Victoria Hospital, and Montreal General Hospital.

(d) A Series of demonstrations to groups of students on the ordinary acute infectious diseases will be given at the Alexandra Hospital.

Professor Cushing and Assistants.

This course in its divisions will be given to groups of students.

9. A clinical course in Mental Medicine will be given in the autumn, winter and spring terms. This course will have the following divisions:

(a) Theatre clinics and bedside clinics on neuroses, psychoses and border line cases during the final year at the Royal Victoria and Montreal General Hospitals.

(b) One period a week during one term will be devoted to clinical demonstrations in Mental Hygiene at the Mental Hygiene Institute..... Professor W. T. B. Mitchell and assistants.

(c) A certificate of one week's attendance at a Mental Hospital and the submission of three case reports. The attendance may be at any hospital approved by the department.

10. A clinical course in dermatology will be given in the autumn, winter and spring terms of one period a week at the Royal Victoria and Montreal General Hospitals..... Drs. Burnett and Burgess.

11. A course in clinical therapeutics will be given in the autumn, winter, and spring terms, of one period a week, one and one-half hour's duration, at the Royal Victoria Hospital and the Montreal General Hospital, by Professor Lewis and Dr. D. Grant Campbell.

12. In the student's final year he becomes virtually a member of the Externe Staff of the teaching hospitals. He may elect to be allotted to the various services in the hospital in the capacity of clinical clerk, participating in the keeping of records, diagnosis and treatment of patients in the wards and Out-Patient Department, and the laboratory duties. He will accompany the physicians in their daily rounds, attend autopsies and report on them to his teachers.

Elective Courses

Elective courses for advanced work are offered in the following subjects: Neurology, psychiatry, dermatology, clinical pathology, cardiology, hæmatology, diseases of the lungs, gastro-intestinal diseases, et cetera. The details of these elective courses will be announced at the beginning of each session.

It will be necessary for each student, in addition to taking the required courses, to choose a certain number of elective courses, the number chosen depending upon which elective courses are taken.

Text and Reference Books

General Medicine:—McLeod, "Physiology and Biochemistry in Modern Medicine"; Lewis, "Clinical Electrocardiography" and "Clinical Disorders of the Heart"; Meakins and Davies, "Respiratory Function in Disease"; Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Cabot, "Physical Diagnosis"; Thompson, "Elements of Surface Anatomy"; Lusk, "Science of Nutrition"; McLester, "Nutrition and Diet in Health and Disease", Krehl, "Basis of Clinical Symptoms"; Osler's "Practice of Medicine"; Taylor's "Practice of Medicine"; Nelson's "Loose-Leaf System of Medicine"; Oxford, "Loose-Leaf System of Medicine"; Dieulafoy, "The Text-book of Medicine"; Strumpell, "Text-book of Medicine

for Students and Practitioners"; Mackenzie, "Diseases of the Heart"; Purves Stewart, "Diagnosis of Nervous Diseases"; Bassler, "Diseases of the Stomach and Intestines"; Pharneo, "Teaching Hospitals."

Pædiatrics:—Holt and Howland; Dennet; Feer, Still; Porter and Carter; Morse and Talbot; Alan Brown.

Psychiatry:—White, "Outlines of Psychiatry; Kraeplin, "Clinical Psychiatry"; Wimmes Hoisholt, "Psychiatric Neurological Examination Methods"; Jeliffe and White (1923 Ed.), "Diseases of the Nervous System."

Dermatology:—Stellwagon; Walker's Introduction to Dermatology; Hartzell; McLeod; Darier; Campbell; Shamberg; Sutton.

HISTORY OF MEDICINE

PROFESSOR:—SIR ANDREW MACPHAIL

A course of fifteen lectures will be given upon the History of Medicine to inform undergraduates in the Faculty upon the progress of the science. It is the intention to examine the causes which produced the varying conceptions of medicine in times past, rather than burden the student with a narration of facts and a recital of biographies.

NEUROLOGY AND NEUROSURGERY

PROFESSOR OF NEUROLOGY AND NEUROSURGERY:—
WILDER PENFIELD

CLINICAL PROFESSORS OF NEUROLOGY:—
COLIN RUSSEL
F. H. MACKAY

ASSISTANT PROFESSOR OF NEUROLOGY AND NEUROSURGERY:—
WILLIAM CONE

LECTURERS IN NEUROLOGY:—
J. N. PETERSEN
A. W. YOUNG
N. VINER
A. R. ELVIDGE

DEMONSTRATOR IN PÆDIATRIC NEUROLOGY—H. M. KEITH

ASSISTANT DEMONSTRATOR IN NEUROSURGERY:—E. L. GAGE

ASSISTANT DEMONSTRATOR IN NEUROLOGY AND NEUROSURGERY:—
J. P. EVANS

ASSISTANT DEMONSTRATOR IN NEUROPATHOLOGY:—W. L. SPRONG

ASSISTANT DEMONSTRATOR IN NEUROPHYSIOLOGY:—G. STAVRAKY

RESEARCH FELLOWS IN NEUROLOGY AND NEUROSURGERY
A. TORKILDSEN
J. KERSHMAN
T. ERICKSON

RESEARCH CLINICAL FELLOWS IN NEUROSURGERY:—
O. HYNDMAN
J. MASSON
G. CHOROBSKI

RESEARCH FELLOW IN CHEMISTRY:—R. V. HARWOOD

The Department of Neurology and Neurosurgery will co-operate intimately with the Departments of Medicine and Surgery, both as regards the teaching programme and the clinical work at the hospitals.

SURGERY

PROFESSOR AND DIRECTOR OF THE DEPARTMENT:—
E. W. ARCHIBALD

PROFESSORS:—A. T. BAZIN, E. M. EBERTS

ASSISTANT PROFESSORS:—W. L. BARLOW, C. B. KEENAN, C. K. P. HENRY, F. A. C. SCRIMGER

LECTURERS:—F. B. GURD, F. E. MCKENTY, F. J. TEES

LECTURER IN ANÆSTHESIA:—W. B. HOWELL

LECTURER IN RADIOLOGY:—W. L. RITCHIE

DEMONSTRATORS:—JOHN ARMOUR, E. B. CHANDLER, G. A. FLEET, GUY JOHNSON, R. R. FITZGERALD, MARK KAUFMANN, L. H. MCKIM, G. GAVIN MILLER, DUDLEY ROSS, A. STEWART, A L. WILKIE

DEMONSTRATORS IN ANÆSTHESIA:—J. W. ARMSTRONG, C. C. STEWART

ASSISTANT DEMONSTRATORS:—HOWARD DAWSON, H. M. ELDER, C. A. MACINTOSH, H. GURTH PRETTY, ALBERT ROSS, P. G. SILVER

UROLOGY

CLINICAL PROFESSORS:—D. W. MACKENZIE, F. S. PATCH

LECTURER:—R. E. POWELL

DEMONSTRATOR:—M. SENG

ORTHOPAEDIC SURGERY

CLINICAL PROFESSORS:—W. G. TURNER, J. A. NUTTER

LECTURER:—W. J. PATTERSON

DEMONSTRATOR:—N. T. WILLIAMSON

Foreword on the Courses in Surgery. Instruction in Surgery (and in the surgical specialties) is imparted in the form of didactic lectures, theatre clinics, ward and out-patient teaching.

The *didactic* lectures are not designed to cover the whole field of general and special surgery, but rather to present the principles of the more important surgical diseases and injuries. Surgery as a whole must be studied in the recommended text books. The early lectures of this course, being introductory, are offered particularly to students who are beginning their clinical work (7th term). They deal with the fundamental principles of inflammation, wound healing, new growths and congenital abnormalities.

The *theatre clinics* in both hospitals will demonstrate, in so far as is possible, the whole field of general surgery and the surgical specialties. In the earlier terms instruction will be given in the commoner ailments of general surgery, while during the later periods the special subjects of orthopædics, genito-urinary-surgery, neuro-surgery and thoracic surgery will be given a due proportion of the time.

In the *wards and out-patient departments*, instruction can be given to smaller groups. In these classes one may more readily differentiate elementary instruction from that given to more advanced students. In other words, to the junior group are taught the principles of careful history taking, of physical examination and of accurate observation.

Later comes instruction in minor surgery, the dressing of wounds, bandaging and the application of splints—while to the advanced students is demonstrated major surgery from selected cases in the wards and operating theatre. Such advanced students are given patients in rotation and become ward dressers. The specific duty is laid upon them of recording the case histories, making all necessary examinations and laboratory tests, and of assisting at operations. Group teaching at the bed-side, and ward rounds are added to their training, and they are given all the privileges of an externe of the surgical service.

Required Courses

1. Didactic Lectures.

Three times weekly for the first two terms; 9–10 a.m., in the Medical School..... Professor Archibald and Staff

2. Theatre Clinics.

Twice weekly throughout the session, 1 p.m., at both general hospitals. These clinics are open to all students from the seventh term onwards.
Professors Archibald and Bazin and Staff.

3. Ward and Out-Patient Instruction.

Four times weekly, 10.30 a.m. to 12 noon, in groups to be arranged in both general hospitals.
Independent ward work can be done by those to whom cases are allotted at any time during the day excepting the meal and visiting hours.

4. Surgical Specialties.

The surgical specialties are taught in the later periods—to some extent in didactic lectures and theatre clinics—but chiefly in the wards and out-patient departments.

5. Anæsthesia.

Didactic lectures and laboratory demonstrations of anæsthesia are given by the Department of Pharmacology and Therapeutics to the students of the earlier clinical years, while practical instruction in the administration of anæsthetics is given in the hospital to the more advanced students. Every student is obliged to furnish a certificate of having given at least six anæsthetics under supervision.

Text-books:—

1. *General Surgery:* Choyce, C. C., "A System of Surgery"; Thomson and Miles, "Manual of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; John Homans, M.D., "A Text-book of Surgery."

2. *Emergency Surgery:* Sluss, John W., "Manual of Emergency Surgery."

3. *Surgical Anatomy:* Treves' "Surgical Applied Anatomy," McGregor, "Synopsis of Surgical Anatomy."

4. *Fractures:* Scudder. Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations."

5. *Case Reporting:* White, J. Renfrew, "The Clinical Examination of Surgical Cases."

6. *Urology:* Keyes' Urology, Mackenzie.
Collateral Reading: Lewis' System of Surgery, vols. 8–9; Eisendrath and Rolnick, Urology; Young, Urology; Stokes, Modern Clinical Syphilogy.

7. *Orthopædic Surgery:* Whitman's "Orthopædic Surgery"; Fraser, "Tuberculosis of Bones and Joints of Children"; Tubby and Jones, "Surgery of Paralysis"; Jones, "Orthopædic Surgery of Injuries"; Jones and Lovett, "Orthopædic Surgery."

OBSTETRICS AND GYNAECOLOGY

PROFESSOR AND CHAIRMAN:—J. R. FRASER

PROFESSOR:—H. M. LITTLE

CLINICAL PROFESSORS:—H. C. BURGESS, J. W. DUNCAN, J. R. GOODALL

LECTURER:—W. A. G. BAULD

DEMONSTRATORS:—A. D. CAMPBELL, DOUGLAS GURD, G. C. MELHADO, IVAN PATRICK, ELEANOR PERCIVAL

CLARA LAW FELLOW AND DEMONSTRATOR:—P. J. KEARNS

ASSISTANT DEMONSTRATORS:—STEWART HENRY, N. W. PHILPOTT, C. V. WARD

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynæcology and the Care of the New-born. Throughout all trimesters the value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of delivery till discharge from hospital is an ideal arrangement.

OBSTETRICS

Required Courses

1. An introductory course of thirty lectures on the fundamental principles of the subject dealing with the Anatomy, Embryology, Physiology and Pathology of the Pelvic Organs.
   The Medical School. Three times a week—Spring Term.
   Professor Fraser.

2. **Clinical instruction** during the year in the Royal Victoria Montreal Maternity Pavilion, including the conduct of labor and the puerperium in case room and wards, together with ante-natal care in the out-patient department.
   Autumn, Winter and Spring Terms.

3. **Special courses in obstetrical palpation** and on the mannikin daily throughout the session with the aid of models, diagrams and lantern slides. Autumn, Winter and Spring Terms.

4. **Clinical conference** once weekly in the theatre throughout the year for the entire class, where living cases are presented illustrating the more important obstetrical conditions.

Autumn, Winter and Spring Terms.

5. **Group Instruction.** The teaching in the final year is conducted entirely by senior teachers.
Small groups of students are instructed in the Wards, Case Rooms and Out-patient Department in methods of examination, problems of delivery and the principles of treatment.

6. **Lecture Demonstrations** in the theatre are held daily during each term on the following subjects:—

A. Dystocia.....Professor Little.
B. Hæmorrhages of Pregnancy. Labor and the Puerperium.
Professor Burgess.
C. Toxæmia of Pregnancy.....Professor Duncan.
D. Puerperal Infection.....Professor Goodall.

7. **Care of the New-born.**

The clinical demonstration once weekly throughout the year by the Pædiatrician in charge of the New-born, is intended to provide a clear and concise survey of the physiology and pathology of the New-born. Particular emphasis is laid on infant feeding and neonatal disease.

8. **The Staff Conference** held once a week is arranged to give a complete account of the work of the hospital.

NOTE: Rooms are provided in the new pavilion where the students may reside, in groups of six, for a period of two weeks. During his period of interneship the student will under supervision deliver patients both in hospital and at their homes, and will undertake the medical care of mother and child during the puerperium.

GYNAECOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals....Professors Fraser, Little and Staff.

2. A special course on Gynæcological Pathology....Dr. P. J. Kearns.

3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.

4. A special course of instruction, once a week, throughout the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray.....Dr. Bauld and Staff.

Text and Reference Books

Obstetrics

(1). De Lee	Principles and Practice of Obstetrics.
(2). Williams	Text book on Obstetrics.
(3). Ten Teachers	Midwifery.
(4). Harper	Clinical Obstetrics.
(5). Bourne	Synopsis of Midwifery and Gynæcology.
(6). Johnson, R. W.	Text book of Midwifery.
(7). Bland	Practice of Obstetrics.
(8). Miller, J.	Manual of Obstetrics.
(9). Appleton	Obstetrical and Gynæcological Monographs.
(10). Peterson	Demonstration Course in Obstetrics.

Gynæcology

(1). Graves	Text book of Gynæcology.
(2). Curtis	Text book of Gynæcology.
(3). Ten Teachers	
(4). Monroe Kerr	Gynæcology.
(5). Blair Bell	Principles of Gynæcology.
(6). Kelly, Howard	Text book of Gynæcology.
(7). Goodall	Puerperal Infection.

OPHTHALMOLOGY

PROFESSOR:—W. GORDON M. BYERS

CLINICAL PROFESSORS:—G. H. MATHEWSON, S. H. McKEE, F. T. TOOKE

DEMONSTRATORS:—A. G. McAULEY, J. A. MacMILLAN

ASSISTANT DEMONSTRATORS:—A. BRAMLEY-MOORE, S. O. McMURTRY, STUART RAMSEY, J. ROSENBAUM

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses:—

1. Routine examination of the eye.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call

for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.

Professors Byers, Tooke, McKee and members of the Staff.

2. **Lecture demonstrations.**

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential concepts for the clinical work of the Fifth Year.

Ten hours.....Professor Byers.

3. **Clinical Ophthalmology.**

In the Final Year, the entire available time is devoted to an intensive study of the ocular problems that are of greatest moment in general practice—the external diseases of the eye, and the main ophthalmoscopic findings in systemic disorders and affections of the nervous system; with practical lessons in ophthalmic nursing and first aid. This work is conducted in the ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals.

Professors Byers, McKee, Tooke and Staff

Text-books:—Parsons, May, Swanzy, De Schweinitz, Fuchs.

OTO-LARYNGOLOGY

PROFESSOR:—

LECTURERS:—D. H. BALLON, G. E. HODGE, J. T. ROGERS

DEMONSTRATORS:—K. O. HUTCHISON, W. J. MCNALLY, B. F. MACNAUGHTON, J. E. TREMBLE, P. WRIGHT

ASSISTANT DEMONSTRATOR:—A. E. LUNDON

The course of instruction in Oto-Laryngology is carried on in the wards and out-patient departments of both the Montreal General and the Royal Victoria Hospitals, where, owing to the large clinics, the students are afforded ample opportunity of receiving practical instruction in these subjects. In these two hospitals there are about fifty beds set apart for this specialty.

The courses are designed to afford the student the opportunity of acquiring the oto-laryngological knowledge required by every general practitioner. The practical work is conducted in small groups, so that the personal instruction and supervision, so essential in this subject, are given to each student.

1. **Introductory Course.**

Group instruction in:—(a) The normal anatomy of the ear, nose and throat, as exemplified in moist dissections, dried specimens, models, stereoscopic plates and radiograms of normal conditions of the accessory sinuses of the nose and mastoid process; (b) the methods of using the various instruments for examining the ear, nose and throat; (c) the usual tests for hearing; (d) the recognition of normal conditions of these special organs, as exemplified by clinical material..... Professor————and Staff.

2. **Lecture Course.**

Ten lectures upon the more common pathological conditions of the ear, nose and throat met with in general practice.

Professor ————

3. **Clinical Oto-Laryngology.**

A course of clinical instruction in the out-patient departments and wards of the hospitals..... Professor————and Staff.

Text-books:—Chevalier Jackson and Coates; St. Clair Thomson; Logan-Turner; H. Tilley; Kerrison; Phillips; Barnhill.

GRADUATE INSTRUCTION

1. Any graduate who so desires may attend any of the regular undergraduate courses. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.

2. **Special graduate work** is offered in every department, both in the laboratories and in the clinics, at any period during the year, provided the graduate is willing to assign himself for serious work to one service. Application for this privilege should be made to the Dean or to the Head of the Department in which the graduate desires to occupy himself.

Vide under heading of "Departments of Physiology, Pathology, Anatomy, Hygiene, etc."

3. **Course for Diploma of Public Health:** This course is specially designed as a thorough training for medical men undertaking the duties of a Medical Officer of Health.

The duration of the course is at least eight months (October 1st to May 31st).

The curriculum is as follows:—

(a) A course of lectures dealing in a comprehensive manner with the general principles of public health and preventive medicine.

(b) Bacteriology—a full practical course in general bacteriology, with special application to public health.

(c) (1) *Sanitary Chemistry.* Examination of air, water and water supplies in general, the commoner foods and beverages, sewage and sewage effluents, etc.; chemical investigations connected with trades and occupations; (2) *Physics.* General principles only in their application to hygiene.

(d) Practical public health work. An extended course under a M.O.H., affording facilities for instruction in public health relating to housing, factories, work-shops and industrial establishments, schools, waterworks, sewage plants, refuse distribution, abattoirs, dairies and milk stations, welfare centres, etc.

(e) Public health legislation and administration. Statutes and by-laws relating to public health and the powers of health authorities; administration of the office of a Medical Officer of Health.

(f) Vital statistics. Calculation and tabulations of returns of births, marriages and deaths and diseases.

(g) Meteorology and climatology; geographical and topographical distribution of disease.

Candidates for this diploma may claim exemption in any of the above subjects on presentation of adequate certificates.

Qualification for the diploma includes a knowledge of communicable diseases, of child hygiene and mental hygiene, the use of meteorological, hygienic and sanitary apparatus.

The successful candidate must further know the appearance of healthy and diseased tissues of animals, and their microscopic examination.

Finally, he must show a capacity to formulate a report on public health conditions in an actual locality and make annual and other reports as required by Officers of Health.

These examinations are written, oral and practical.

The fee for the course is $110.00 for British Subjects and $140.00 for non-British Subjects.

4. Special Courses. Graduates desiring instruction in any special branch of Public Health and Preventive Medicine, such as School Health Services and Industrial Hygiene, should apply to the Head of the Department. Courses will be arranged, suitable for the applicants, in order that they may receive full benefit from the time devoted to the course.

BUILDINGS

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over $600,000, contains the Offices of Administration, the Medical Library (with its 47,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Histology, Hygiene, Pharmacy, and the magnificent Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department.

The Department of Histology and Embryology, too, has excellent facilities, with laboratory space for 120 students, and smaller laboratories for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over $500,000, this edifice was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This Building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology, Bacteriology and Medical Jurisprudence, and includes a Pathological Museum and museum workshops. It combines under one roof, quarters for teaching and research in these departments, both for the

University and for the Royal Victoria Hospital. From the latter is drawn chiefly its material. It was constructed at a cost of $460,000; is of Montreal limestone; its main front is 242 feet long; the north end is 77 feet wide and the south end 60 feet. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.
Montreal General Hospital.
Children's Memorial Hospital.
Foundling Hospital.
Alexandra Hospital for Infectious Diseases.
Verdun Protestant Hospital.
Royal Edward Institute for Tuberculosis.
The Royal Victoria Montreal Maternity Hospital.

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 2,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University building, is a general hospital for acute diseases and contains 680 beds. During 1932 it cared for 13,501 cases, while in its outdoor department 96,791 cases were treated. Many new additions have been made to the Hospital. A modern University Medical Clinic was established in 1924.

There were 275 post-mortems during 1932.

The number of resident physicians is 38.

The Royal Victoria-Montreal Maternity Pavilion, with 200 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 100 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate

student. During the year 1932 the obstetrical service cared for 2,499 cases, with 2,168 confinements in the Hospital and 455 in the Out-patient Service, a total of 2,623. In the gynæcological section, 1,463 cases were admitted during the year.

There are nine resident physicians.

The Montreal General Hospital is a general hospital for the treatment of acute diseases and contains 397 beds. In 1932 there were 7,400 admissions to its wards. The large, reconstructed out-patient department, probably the finest in this country, received last year 164,372 visits. Many modern additions to the original buildings have been made. There is also a large biochemical laboratory, completely equipped for the investigation of the metabolic aspects of disease.

There were 275 post-mortems during the year.

The number of resident physicians is 48.

The Dental Clinic of the University, completed in 1921, has 50 dental chairs with a large and varied clientele.

The Western Division of the Montreal General Hospital—The Western General Hospital. A hospital for the treatment of acute diseases, with 85 beds. It is hoped that this hospital will soon afford additional opportunities for teaching. The post-mortem and surgical material is now being used for teaching. During the year 1932 there were 1,788 admissions to the wards and 69,529 patients were treated in the out-patient department.

There were 41 autopsies during the year.

The number of resident physicians is 7.

The Children's Memorial Hospital has 335 public beds, and, in 1932, admitted 3,249 patients. The attendance at its out-door department totalled 27,323 patients. This hospital, while primarily for orthopædic cases, now admits all varieties of patients, and enables the students to get a broad conception of pædiatrics. Of special interest are the newly-built wards with cubicles, the Departments of Remedial Gymnastics, the Open-air Pavilion, and the well-equipped out-patient service.

There were 105 autopsies during the year.

The number of resident physicians is 11.

A summer course, lasting four weeks, has for several years enabled students and practitioners to become acquainted with many of the most important phases of modern pædiatrics.

The Montreal Foundling and Baby Hospital has been taken over by the Children's Memorial Hospital, and the two institutions will be used as before for the teaching of students. The Foundling Hospital affords a large amount of clinical material and gives special facilities for instruction in child welfare and infant feeding. There are 75 beds.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 155 beds, and, in 1932, 1,392 patients were admitted to the hospital. There were 25 autopsies.

The number of resident physicians is 4.

The Verdun Protestant Hospital has 1,100 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of psychiatry with the teachers. Occupational therapy is emphasized.

The Royal Edward Institute in its new building on Pine Avenue has space for 25 beds, with operating room, X-Ray equipment and modern facilities for the examination of patients, is essentially a dispensary for tuberculosis and offers adequate material for teaching students, in groups, the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

HONORARY LIBRARIAN:—DR. C. F. WYLDE

The Library occupies the central part of the Medical Building, the whole front of the second and third floors, as well as a portion of the first floor. On the third floor is the magnificent reading room, 76 x 24 feet, exceptionally well lighted, and capable of accommodating seventy-five readers. On this floor also are the journal room and private office. The second floor contains the stack room, the book stacks at present containing about 47,000 volumes, as well as eight sections of unbound material in cases, such as hospital reports, university calendars, and government publications, and having a total capacity of sixty thousand volumes; also three study rooms. On the first floor are the cataloguing rooms, offices and pamphlet room.

A special feature of the Library is the journal collection, and every effort is being made to complete this section as far as possible, and thus to increase the value of the reference department of the Library. Through the generosity of interested friends there is also a valuable collection of approximately one thousand volumes of early works on the History of Medicine, dating from the fifteenth century. These can be consulted at the Library.

A complete journal collection is listed in the Catalogue of Scientific Periodicals in Canadian Libraries, and also in the Union List of Serials published by the W. H. Wilson Company.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other colleges showing proper credentials, and registered nurses. It is felt that graduates living at a distance are not aware of the fact that books may be borrowed from the Library on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during term from 9 a.m. to 9.30 p.m., except Saturdays, when it is closed at 5 p.m. After June 1st it is open from 9 a.m. to 5. p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

LIBRARIAN:—W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises about 7,600 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue has been completed, indexed, and printed since his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 136 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers, but the books may not be borrowed or removed from the Library.

MEDICAL SOCIETIES

1. THE McGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

(1) To transact all matters of business connected with the undergraduate body.

(2) To stimulate interest along medical lines.

(3) To assist students to express themselves in public with facility.

(4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers, are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Fourth and Fifth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussions. Each year an Honorary President has been elected from this older group.

McGill University has been greatly enriched by the gift of the Osler Library, bequeathed by Sir William. Members of the Society are fortunate in having ready access to this unique source of original material, comprising as it does a rare and valuable collection of some 8,000 volumes and pamphlets devoted to the history of science and medicine from the time of Hippocrates.

McGILL UNIVERSITY

MONTREAL



[103rd]

ANNOUNCEMENT

OF THE

FACULTY OF MEDICINE

FOR THE SESSION 1934-35

McGILL UNIVERSITY

MONTREAL



ANNOUNCEMENT

OF THE

FACULTY OF MEDICINE

FOR THE SESSION 1934-35

Printed in Canada for the University by Southam Press Montreal Limited

TABLE OF CONTENTS

	Page
Administrative Officers	5
Admission to Medicine	29
Anatomy	43
Assistant and Clinical Professors	9
Athletics	30
Bacteriology	50
Biochemistry	47
Board and Lodging	33
Buildings	72
Calendar	6
Cost of Course	33
Course for the Degree of M.D., C.M	34
Courses of Lectures	43
Demonstrators	13
Dermatology	57
Diploma of Public Health	70
Dominion Registration	42
Embryology	44
Emeritus Professors	7
Entrance Requirements	28
Examinations	35
Expenses	33
Faculty, Members of	7
Fees	31
Fellowships	39
General Council of Medical Education	42
Grading	37
Graduate and Advanced Courses	70
Gynæcology	66
Health	30
Histology	44
Historical Summary	20
History of Medicine	61
Hospitals	73
Hygiene	52, 70
Immunity	50
Lecturers	11
Library	76

CONTENTS—Continued

	Page
Loan Fund	32
Medals	38
Medical Examination	30
Medical Societies	78
Medicine	56
Members of Faculty since its origin	23
Microscopes	32
Neurology and Neurosurgery	61
Obstetrics	65
Officers of Faculty since its origin	23
Officers of Instruction	7
Ophthalmology	67
Orthopædic Surgery	62
Osler Library	77
Osler Society	79
Oto-Laryngology	68
Pathological Chemistry	47
Pathology	48
Paediatrics	57
Pharmacology	54
Physiology	45
Preventive Medicine	52
Prizes	38
Professors	7
Promotion	37
Psychiatry	57
Psychology	46
Public Health	52
Reciprocity with Great Britain	42
Registration	29
Requirements for Degree of M.D., C.M.	41
Requirements for Licence	41
Scholarships	39
Surgery	62
Therapeutics	55
Urology	62
Vaccination	30

ADMINISTRATIVE OFFICERS

PRINCIPAL

DEAN OF THE FACULTY OF MEDICINE

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CURATOR OF THE MUSEUM OF THE HISTORY OF MEDICINE

MAUDE E. ABBOTT, B.A., M.D.

PURCHASING AGENT

JOHN FINLAY

CALENDAR OF THE FACULTY OF MEDICINE FOR THE SESSION 1934-35

1934

Fri.,	Sept. 14th	Autumn Examinations begin.
Wed.,	Sept. 12th	Register opens for students in Medicine.
Wed.,	Sept. 19th	Autumn Term begins.
Sat.,	Oct. 6th	Founder's Day. Convocation. Register closes for the session.
Thurs.,	Oct. 11th	Sports Day. No lectures.
Sun.,	Nov. 11th	Remembrance Day.
Tues.,	Nov. 27th	Autumn Term ends.
Wed.,	Nov. 28th	Winter Term begins.
Sun.,	Dec. 2nd	Annual University Memorial Service.
Fri.,	Dec. 21st	Last day of lectures before Christmas.

1935

Mon.,	Jan. 7th	Lectures resumed.
Tues.,	Feb. 19th	Winter Term ends.
Wed.,	Feb. 20th	Spring Term begins.
Wed.,	Mar. 6th	Ash Wednesday. No lectures.
Fri.,	April 19th	Easter vacation.
Mon.,	April 22nd (inclusive)	
Tues.,	April 30th	Spring Term ends.
Fri.,	May 3rd	Examinations begin.
Thurs.,	May 30th	Convocation.

OFFICERS OF INSTRUCTION

FACULTY OF MEDICINE

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(These, with the Principal and Vice-Principal, constitute the Faculty)

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Assistant Demonstrator in Pathology. Montreal General Hospital.

A. K. Hill, M.D., C.M.
Assistant Demonstrator in Pathology. Pathological Institute.

G. B. Maughan, M.D., C.M.
Assistant Demonstrator in Pathology. Pathological Institute.

J. V. V. Nicholls, M.D., C.M.
Assistant Demonstrator in Pathology. Pathological Institute.

R. A. Wilson, M.D., C.M.
Assistant Demonstrator in Pathology. Pathological Institute.

H. C. Ellsworth, A.B. (Cornell).
Assistant in Pharmacology. Biological Building.

Alan Ross, M.D., C.M.
Assistant Demonstrator in Pædiatrics. 1414 Drummond St.

S. J. Usher, B.A., M.D., C.M.
Assistant Demonstrator in Pædiatrics. 1538 Sherbrooke St. W.

FELLOWS

P. J. Kearns, M.Sc., M.D., C.M.
Clara Law Fellow and Demonstrator in Obstetrics and Gynæcology. Pathological Institute.

W. T. Grant, M.D. (Toronto).
Research Fellow in Neurology and Neurosurgery.
Montreal Neurological Institute.

J. Kerschman, M.Sc., M.D., C.M.
Research Fellow in Neurology and Neurosurgery.
Montreal Neurological Institute.

A. Torkildsen, M.D.
Research Fellow in Neurology and Neurosurgery.
Montreal Neurological Institute.

T. C. Erickson, M.A., M.D. (Minnesota).
Research Fellow in Neurology and Neurosurgery.
Montreal Neurological Institute.

O. Hyndman, M.D. (J.H.U.).
Research Clinical Fellow in Neurosurgery. Montreal Neurological Institute.

J. Masson, M.D. (Strasbourg).
Research Clinical Fellow in Neurosurgery. Montreal Neurological Institute.

G. Chorobski, M.Sc., M.D.
Research Clinical Fellow in Neurosurgery. Montreal Neurological Institute.

R. U. Harwood, M.Sc. (Alberta), Ph.D.
Research Fellow in Chemistry, Department of Neurology and Neurosurgery. Montreal Neurological Institute.

HISTORICAL SUMMARY

(Faculty of Medicine)

1821-1934

1744	James McGill, born October 6th (Founder's Day). Died 1813.
1801–02	Royal Institution for Advancement of Learning contemplated by Provincial Act of Parliament.
1811	Will by James McGill leaving landed estate and £10,000 to Royal Institution for Advancement of Learning for founding a University.
1818	Royal Institution for Advancement of Learning incorporated. Montreal General Hospital opened on original site on St. Lawrence Street.
1821	Royal Charter granted to the Royal Institution for the Advancement of Learning for the foundation of McGill College. Cornerstone of new Montreal General Hospital laid.
1822–24	Montreal Medical Institution organized as a Medical School by Officers of Montreal General Hospital. At opening lecture at No. 20 St. James Street on October 28, 1924, there were four teachers and twenty-five students.
1829	Estate of James McGill surrendered by residuary legatee. First meeting of Governors at Burnside House. Montreal Medical Institution "engrafted upon" McGill University as its Medical Faculty. First session of Faculty of Medicine.
1831	Medical Faculty petitioned Legislature for permission to grant degrees, and framed statutes to fulfil conditions of charter for same by order of Solicitor-General.
1832	Statutes approved and permission to confer degrees granted to Medical Faculty, and Professorships granted by Crown to Drs. Holmes, Caldwell, Robertson and Stephenson.
1833	First University degree conferred in Medical Faculty upon W. Logie.
1836–37	Faculty removed to building next to present Bank of Montreal.
1840	Faculty removed to St. George Street.
1842	Arts Building erected on University grounds, where medical lectures were held 1845–51.
1852	Faculty removed to Côté Street.
1855	Sir William Dawson appointed Principal.
1860	Geo. W. Campbell appointed Dean, serving until 1882.
1872	First independent Medical Faculty building on University ground. Graduation of William Osler.

1882 Geo. W. Campbell Memorial Fund for Medical Faculty ($50,000); Leanchoil Endowment Fund for Medical Faculty (Lord Strathcona, $50,000).
R. P. Howard appointed Dean.

1885 New laboratories erected in Medical Building (Lord Strathcona, $100,000).

1889 Robert Craik appointed Dean—George Ross, Vice-Dean.

1893 Pathological Laboratory erected (John H. R. Molson, $60,000); Chairs of Hygiene and of Pathology endowed (Lord Strathcona, $100,000).

Mrs. Mary Dow Endowment Fund presented to Medical Faculty ($10,000).

1894 Royal Victoria Hospital opened (Lord Mount-Stephen and Lord Strathcona).

1895 Sir William Peterson appointed Principal.

1898–01 Medical Faculty Building reconstructed and enlarged with new laboratories, etc. (Lord Strathcona, $100,000).
Joseph Morley Drake Chair of Physiology founded ($25,000).

1901 Thomas G. Roddick appointed Dean.

1906 Alexandra Hospital for Infectious Diseases opened.

1907 Medical Building partly destroyed by fire.

1908 F. J. Shepherd appointed Dean.

1909–11 New Medical Building (as at present) erected. (Lord Strathcona, $450,000).

1911 Robert Reford endowment of Department of Anatomy ($100,000).
Arthur A. Browne Memorial Fund for Research established ($10,000).
Dr. James Douglas research fellowship in Pathology founded ($25,000).

1912 Eddie Morrice Laboratory of Pharmacology opened (D. Morrice, $14,000).

James Cooper Endowment Fund established for Internal Medicine ($60,000).

1913 Graduates of the Faculty of Medicine subscribed $12,566 to meet fire loss.

1914 H. S. Birkett appointed Dean.
No. 3 (McGill) General Hospital organized for Overseas service.

New Foundling Hospital opened.

1916 Ross Memorial Pavilion (J. K. L. Ross), opened by H.R.H. Duke of Connaught.

1917 Geo. Ross Endowment Fund for Medical Faculty presented.

1919 Sir William Macdonald bequeathed $500,000 to Medical Faculty. Faculty of Dentistry established. Osler Library (of the history of medicine and science) bequeathed to the Faculty of Medicine by Sir William Osler.

1920 Sir Arthur Currie appointed Principal.
Dr. J. W. Scane appointed Assistant Dean.

1921 Centenary Celebration.
Friends and Graduates of McGill donated $4,000,000 to University.
Province of Quebec donated $1,000,000 to University.
Rockefeller Foundation granted $1,000,000 to Medical Faculty.
F. G. Finley appointed Dean.

1922 Laboratories for Biological Sciences opened.
Geo. E. Armstrong appointed Dean.
New Outpatient Department erected at Royal Victoria Hospital.

1923 Pathological Institute erected.
C. F. Martin appointed Dean.

1924 Rockefeller Foundation gave $500,000 to Medical Faculty to establish University Clinic in Department of Medicine at Royal Victoria Hospital.
Amalgamation of Western Hospital with the Montreal General Hospital.

1925 Erection of Royal Victoria-Montreal Maternity Pavilion.
Roddick Memorial Gates opened.

1926 Closing of old Montreal Maternity Hospital.

1927 Sub-department of Industrial Medicine formed, with Industrial Clinic at the Montreal General Hospital. (Grant of $25,000 from Metropolitan Life Insurance Company).
Inter-Hospital Commission formed for purposes of administration.

1929 Opening of new laboratory building for Experimental Surgery
Rockefeller Foundation gave $85,000 for research in Surgery.

1932 Gift of $1,232,652 from the Rockefeller Foundation for the Department of Neurology and Neurosurgery.

1932 New building of Royal Edward Institute for Tuberculosis opened and affiliated with McGill University.

1933 Montreal Foundling and Baby Hospital taken over by Children's Memorial Hospital.

OFFICERS AND MEMBERS OF THE FACULTY SINCE ITS ORIGIN

DEANS

Dr. R. Robertson, official head of the Montreal Medical Institution, 1823, was followed by Dr. John Stephenson in 1829 as Registrar and official head of the Faculty up to 1842, when he was succeeded by Dr. A. F. Holmes with the title of Secretary.

A. F. Holmes, 1854.
Geo. W. Campbell, 1860.
R. P. Howard, 1882.
Robert Craik, 1889.
George Ross (Vice-Dean), 1889.
Thomas G. Roddick, 1901.
Francis J. Shepherd, 1908.
Herbert S. Birkett, 1914.
F. G. Finley, 1921.
George E. Armstrong, 1922.
C. F. Martin, 1923.

REGISTRARS

John Stephenson, 1829.
Archibald Hall, 1842.
William Wright, 1864.
Robert Craik, 1869.
William Osler, 1877.
F. J. Shepherd, 1883 (Acting).
James Stewart, 1884.
R. F. Ruttan, 1891.
E. M. Eberts, 1902.
(J. W. Scane, Assistant Dean, 1920–1922).

Registrarship abolished–1923

SECRETARY

J. C. Simpson, 1923.

MEDICINE

Chair of Medicine
(Founded 1824)

William Caldwell, 1824.
William Robertson, 1833.
Andrew F. Holmes, 1842.
R. P. Howard, 1860.
George Ross, 1889.
James Sewart, 1893.

Chair of Clinical Medicine
(Founded 1845)

James Crawford, 1845 and 1852.
Robt. L. MacDonnell, 1849.
Stephen C. Sewell, 1850.
R. P. Howard, 1856.
Duncan C. MacCallum, 1860.
Joseph M. Drake, 1872.
George Ross, 1872.
Richard L. MacDonnell, 1889.
James Stewart, 1891.

Chair of Medicine and Clinical Medicine
(Founded 1907)
(*Chair of Medicine since 1923*)

F. G. Finley, 1907–1924.
H. A. Lafleur, 1907–1919.
C. F. Martin, 1907.
J. C. Meakins,
Professor and Director, 1924.
C. P. Howard, 1924.
W. F. Hamilton, 1924-1933.

SURGERY

Chair of Surgery
(Founded 1824)

John Stephenson, 1824.
G. W. Campbell, 1835.
Geo. E. Fenwick, 1875.
T. G. Roddick, 1890.

Chair of Clinical Surgery
(Founded 1840)

James Crawford, 1845.
William E. Scott, 1852.
Duncan C. MacCallum, 1856.
Robert Craik, 1860.
George E. Fenwick, 1867.
Thomas G. Roddick, 1876.
James Bell, 1894.

Chair of Surgery and Clinical Surgery
(Founded 1907)
(*Chair of Surgery since 1923*)

James Bell, 1907–1911.
Geo. E. Armstrong, 1907–1923.
J. A. Hutchison, 1913–1923.
E. W. Archibald,
Professor and Director, 1923.
A. T. Bazin, 1923.
E. M. Eberts, 1929.

OBSTETRICS AND GYNAECOLOGY

Chair of Obstetrics
(Founded 1824)

William Robertson, 1824.
John Racey, 1833.
Geo. W. Campbell, 1835.
Michael McCulloch, 1842.
Archibald Hall, 1854.
D. C. MacCallum, 1868.
Arthur A. Browne, 1883.
J. Chalmers Cameron, 1886.

Chair of Gynæcology
(Founded 1883)

William Gardner, 1883.
W. W. Chipman, 1910.

Chair of Obstetrics and Gynæcology
(Founded 1913)

W. W. Chipman, 1913–1929.
J. R. Fraser, 1929 Professor and Director.
H. M. Little, 1929.

ANATOMY

(Chair founded 1824)

John Stephenson, 1824.
Oliver T. Bruneau, 1842.
William E. Scott, 1856.
Francis J. Shepherd, 1883.
A. C. Geddes, 1913.
S. E. Whitnall, 1919.

CHEMISTRY

Chair of Chemistry
(Founded 1824)

Andrew F. Holmes, 1824.
Archibald Hall, 1842.
William Sutherland, 1849.
Robert Craik, 1867.
Gilbert P. Girdwood, 1879.
R. F. Ruttan, 1902–1928.

Chair of Practical Chemistry
(Founded 1872)

Gilbert P. Girdwood, 1872.
R. F. Ruttan, 1894.

BIOCHEMISTRY

Chair of Bio-Chemistry
(Founded 1920)

A. B. Macallum, 1920.
J. B. Collip, 1928.

INSTITUTES OF MEDICINE

Chair of Institute of Medicine

(Founded 1824 and included the Departments of Physiology, Histology and Pathology)

John Stephenson, 1824.
Stephen C. Sewell, 1842.
Robert L. MacDonnell, 1845.
William Fraser, 1849.
Joseph M. Drake, 1868.
William Osler, 1874.

PHYSIOLOGY

(Founded 1824—endowed 1897)

Wesley Mills, 1886.
N. H. Alcock, 1911.
G. R. Mines, 1914.
John Tait, 1919.
Boris P. Babkin
(Research Professor), 1928.

HISTOLOGY

George Wilkins, 1883–1907.
J. C. Simpson, 1910.

PATHOLOGY

(Founded 1892—endowed 1893)

J. Geo. Adami, 1892.
H. Oertel, 1919.

PHARMACOLOGY

Chair of Pharmacology and Therapeutics
(Founded 1824)

Andrew F. Holmes, 1824.
Archibald Hall, 1835.
Stephen C. Sewell, 1842.
A. Hall, 1849.
William Wright, 1854.
James Stewart, 1883.
A. D. Blackader, 1891.

Chair of Pharmacology

H. G. Barbour, 1921.
R. L. Stehle, 1924.

BOTANY

(Chair founded 1829)

Andrew F. Holmes, 1829.
Dr. Papineau, 1845.
James Barnston, 1857–58.
D. P. Penhallow, 1883–1912.
J. W. Dawson, 1855–56 and 1858–83. F. E. Lloyd, 1912-1934

MEDICAL JURISPRUDENCE

(Chair founded 1845)

William Fraser, 1845.
Francis Badgley, 1849.
Francis C. T. Arnoldi, 1850.
William E. Scott, 1851.
William Wright, 1852.
R. Palmer Howard, 1854.
Duncan C. MacCallum, 1860.
George E. Fenwick, 1867.
William Gardner, 1875.
George Wilkins, 1883.
D. D. MacTaggart, 1911-1929.

HYGIENE AND PUBLIC HEALTH

(Chair founded 1871—endowed 1893)

George Ross, 1871.
Thomas G. Roddick, 1873.
Robert T. Godfrey, 1875.
William Gardner, 1879.
R. L. MacDonnell, 1886.
Robert Craik, 1889.
Wyatt Johnston, 1902.
T. A. Starkey, 1902.
A. G. Fleming, Professor and Director of the Department of Public Health and Preventive Medicine, 1926.

OPHTHALMOLOGY AND OTO-LARYNGOLOGY

Chair of Ophthalmology and Otology
(Founded 1883)

FRANK BULLER. 1883.

Chair of Laryngology
(Founded 1893)

G. W. MAJOR, 1893. H. S. BIRKETT, 1895.

Chair of Oto-Laryngology

H. S. BIRKETT, 1895–1931. E. HAMILTON WHITE, 1931.

Chair of Ophthalmology

J. W. STIRLING, 1906. W. G. BYERS, 1923.

ZOOLOGY

E. W. MACBRIDE, 1902–1910 ARTHUR WILLEY, 1910–1932

HISTORY OF MEDICINE

ANDREW MACPHAIL, 1907.

BACTERIOLOGY

F. C. HARRISON, 1928–1930 E. G. D. MURRAY, 1930

NEUROLOGY AND NEUROSURGERY

(Founded 1932)

W. G. PENFIELD, 1932.

FACULTY OF MEDICINE

The one hundred and second session of the Faculty will open on September 19th, 1934.

ENTRANCE REQUIREMENTS

A sound general education is an essential foundation for professional training and a four-year course leading to a B.A. or B.Sc. degree is considered the most desirable preparation for the study of medicine. Preference will be given, therefore, to applicants who have had a full academic course in which the humanistic studies have not been sacrificed to a narrow scientific specialization.

Candidates without a degree should have at least three years of college work. In exceptional cases applications may be received from students who have completed two years of work in a recognized college or faculty of Arts, provided they present certificates that they have scholastic standing placing them in the first third of their class.

It is distinctly to be understood that the Faculty does not undertake to accept all students who have passed the courses necessary to fulfil the requirements. It reserves the right to select for admission only those candidates who, in the opinion of the Committee on Admissions, give promise of work of high quality in the medical course.

All applicants must present satisfactory evidence that their college courses include the following:—

Physics—One year of general college Physics with laboratory work.

Biology—One year of General Biology and Zoology with laboratory work. One half-year of Botany and one half-year of Zoology will be accepted, but not one year of Botany alone.

Chemistry:—Two years:—

(a) One full course of General Chemistry with laboratory work.

(b) One full course of Organic Chemistry with laboratory work.

Students who wish to pursue their preliminary course at McGill may register as regular undergraduates in the Faculty of Arts and Science and should apply for admission to the Faculty of Medicine at the end of their third year or preferably on graduation.

Candidates for admission to the Faculty of Medicine must also present evidence that they have satisfied the matriculation requirements of the Licensing Body of the Province to which they belong. (For further particulars see "Requirements for Licence to Practise," p. 41.)

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than July 1st.

A fee of $25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

APPLICATION FOR EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit to the Secretary of the Faculty an official statement of his preliminary education and of the course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office for the session 1934-35 on September 12th to September 18th, 1934. Those who register after September 18th will be required to pay a late registration fee of $5.00 if they do so during the first week of the session and $10.00 if during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

MEDICAL EXAMINATION

In order to promote as far as possible the physical welfare of the student body, men students of the First and Second Years, and women students of the First and Third Years, in every Faculty, and all students coming to the University for the first time, are required to be medically examined. The hours of such examinations are announced at the beginning of the session. Any student who has failed to comply with this regulation before the 1st of November will be fined $5.00. Any student who has failed to comply before the 8th of November will be fined an additional $5.00. Any student who has failed to comply before the 15th of November will be suspended. Re-examinations are held frequently throughout the session for those students who are of low category, or who are suffering from physical disability.

Students of all years, who wish to engage in athletic activities, are also required to be medically examined.

VACCINATION

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination within seven years, or of insusceptibility to vaccine within five years. Failing this, students must be vaccinated at once in a manner satisfactory to the medical examiner.

The penalties for non-compliance with this regulation are those stated above for the medical examination.

HEALTH

Provision is made by the Department for the care of the health of undergraduates during the session. If a student's admission to Hospital is requisitioned for by the Department, but not otherwise, one-half of all public ward charges is met by the University. A leaflet and handbook concerning this service and the general work of the Department are distributed at the opening of the session.

ATHLETICS

All students in good standing who are taking a course of study held to be sufficient by a special committee of the Faculty in which they are enrolled will be allowed to take part in athletics, subject, however, to the general regulations regarding medical examination.

During the session and including the Christmas holidays, all teams and individual *students desiring to participate in "outside"* athletics* must first apply to the Captain or Manager of the club concerned, who must secure the permission of the Athletics Manager, by whom all such sanctions are granted.

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*"Outside athletics" is interpreted to mean athletics over which the Athletic Board of the University or the Canadian Intercollegiate Athletic Union does not have control.

Should any student take part in any athletic contest not having been sanctioned as above, or who is not personally qualified under the regulations regarding eligibility, medical examination, etc., such student shall be immediately debarred from participating in all University athletics. He shall be reported to the Athletic Board, which body shall, if it sees fit, request the offender to withdraw from the University, if the consent of the Principal has been given, until Corporation shall meet to deal with the matter.

(For further regulations see handbook published by the Athletic Board.)

FEES

TUITION FEES:

1. Annual undergraduate fee for British students..... $275.00
   By instalments: Each of two instalments..... 140.00
   Annual undergraduate fee for Non-British students..... 350.00
   By instalments: Each of two instalments..... 177.50
2. Undergraduates repeating a year pay one half the regular tuition fee. This includes dissecting material, chemical reagents, laboratories, etc.
3. Qualified partial students are admitted to one or more courses on payment of special fees.
4. The fee for the graduate course in Public Health, including laboratory and outdoor work, is $110.00 for British and $140.00 for Non-British students.

OTHER UNIVERSITY FEES:

5. Registration (British)..... $5.00
   Registration (Non-British)..... 10.00
   The Registration Fee is paid only once—when the student first enters the University.
   Late registration, after September 19th..... 5.00
   Late registration, after September 26th..... 10.00
   Supplemental Examinations, each paper..... 10.00
   Receipts for supplementals must be shown to the Dean's Office before the examination.
   Annual Health Service (see page 30)..... 5.00
   Graduation (British)..... 10.00
   Graduation (Non-British)..... 15.00
   Duplicate Graduation Diploma..... 10.00
   Certified copy of student's record..... 1.00
   Conferring degree *in absentia*..... 10.00
   Ad eundem fee for students from another university entering any year above the First..... 10.00
   Fine for late medical examination (see page 30)..... $5.00 or 10.00

6. *Caution Money.* Every student is required to make a deposit of $10.00 as Caution Money to cover damage done to furniture, apparatus, books, etc. This amount, less deductions, is returned at the close of the session.

STUDENTS' ACTIVITIES:

7. A sessional fee of $18.00 is payable by all men undergraduates and $13.00 by all women undergraduates, for the support of student organizations, for the rinks and tennis courts and for admission to all home games under the control of the Athletic Board.
8. Partial students pay $3.00 for athletics and athletic grounds. If they desire such of the privileges of Section 7 as are open to them, an additional $10.50 is charged for men students and $8.50 for women students.

GENERAL REGULATIONS:

9. Fees are due and payable at the Bursar's Office between the hours of 9 a.m. and 1 p.m. on the following dates:—
   Thursday, September 20th
   Friday, September 21st
   Saturday, September 22nd (9 a.m. to 12 noon)
   or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional $2.00 is charged for payment after the specified dates.
10. Students registering late pay their fees at the time of registration failing which they become subject to the provisions of Regulation 9.
11. Any student who fails to pay his fees within a month of the prescribed date is suspended until all the fees due have been paid.
12. All fees are payable in Canadian currency.
13. Domicile will in general determine whether a student pays the British or, Non-British fees. A student who is uncertain which rate he will be required to pay should consult the Registrar.

UNIVERSITY LOAN FUND

A Student Loan Fund has been established by the University to assist needy students in the upper years of all Faculties. Loans are made only to students with good academic standing.

For further particulars students should consult the Dean of the Faculty.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine.

STUDENTS' EXPENSES

1. BOARD AND RESIDENCE

No college residences have as yet been erected for men students, but dormitory accommodation for about 60 men is provided in Strathcona Hall, the home of the Student Christian Association of McGill University. Full particulars concerning terms of residence, etc., may be obtained from the Secretary of the Association, 772 Sherbrooke Street West, Montreal, who will also make arrangements to have students who are strangers to the city met on arrival and helped to secure lodgings, if due notice is sent of the station and time at which they will arrive.

The University Lodgings Committee issues annually a list of lodgings and boarding houses which have been inspected and approved. This list, which gives prices of rooms and meals, may be consulted in the Registrar's Office, in the Medical Building, in the Students' Union or in Strathcona Hall.

Board and lodging can be obtained in private houses in the vicinity of the University buildings at a cost of $35 to $60 per month; or separately, board from $25, and a room from $12 upwards per month.

Board is furnished in the McGill Union at low rates. The dining room, accommodates over 120 students. There is also a lunch counter.

2. APPROXIMATE ESTIMATE OF ANNUAL COST FOR A BRITISH STUDENT

	Minimum	Moderate
Tuition Fees	$275.00	$275.00
Fee for Athletics, Union, etc	18.00	18.00
Other fees (average)	8.00	8.00
Board and Lodging	300.00	500.00
Books, Instruments, etc	153.00	173.00
	$754.00	$974.00

It will be noted that in the above estimate no account is taken of personal expenses, such as cost of clothes, laundry, etc., nor yet of the caution money deposit of $10.00 which is made by each student at the commencement of the session. Students are advised also to reckon on at least $20.00 to $25.00 per annum for subscriptions of various kinds.

COURSE FOR THE M.D., C.M. DEGREE AND EXAMINATIONS

Certain fundamental changes have been initiated in the curriculum, rendering it much more flexible, more balanced and affording the student a certain freedom of choice. Thereby, too, the student assumes more responsibility for his own education. Incidentally he is relieved from an over-crowded curriculum in order to have more time for independent thought and work.

While a certain sequence of courses is essential to a well-ordered curriculum, he will no longer be passed on from year to year in lock step, but may assume greater latitude in the selection of the form and matter of study, and to some extent, too, in the choice of clinical teachers.

A. THE MEDICAL COURSE

The Academic year is divided into three terms of ten weeks and the minimum period of study required for the degree is fifteen terms (five years).

The subjects comprised in the medical course are arranged in two groups:

The Preclinical Group:

- Anatomy.
- Histology and Embryology.
- Biochemistry.
- Physiology.
- Pharmacology.

The Clinical Group:

- Bacteriology.
- Pathology.
- Public Health and Preventive Medicine.
- Medicine (including Pædiatrics, Neurology, Psychiatry, Dermatology and Laboratory Diagnosis).
- Surgery (including Urology and Orthopædic Surgery).
- Obstetrics and Gynæcology.

Ordinarily, the preclinical subjects occupy two years and the clinical group three years of the course.

In each group the courses offered are of two kinds:

Required Courses covering the ground which is essential to the training of a medical practitioner.

Elective Courses designed to give a broader and deeper training in the major subjects and the specialties.

The required courses are arranged in such a manner that a considerable amount of the student's time is left free for independent study and for elective courses in the pre-clinical and clinical subjects.

The required subjects of each group will ordinarily be taken in a definite sequence but qualified students may be allowed to arrange their schedule in accordance with their interests and previous training.

B. EXAMINATIONS

1. *Final or University Examinations* will be held in each major required subject of the curriculum. Grades attained in these examinations will be entered in the students' records, and will be the only grades used in determining aggregate standing.

To qualify for the University examinations the student must have fulfilled the following conditions:

Anatomy: must have completed three terms of instruction in the subject and have passed all the required course examinations.

Histology and Embryology: must have satisfactorily completed three terms of instruction in the subject and have passed all required course examinations.

Physiology: must have satisfactorily completed five terms of instruction and have passed all required course examinations.

Biochemistry: must have completed two terms of instruction and have passed all course examinations in the subject.

Pharmacology: must have satisfactorily completed one term of instruction.

Bacteriology: must have completed a course in Bacteriology *and* must have taken at least six terms of clinical instruction.

Pathology: must have completed at least six terms of work in the subject.

Public Health: must have completed the course and have taken at least four terms of clinical instruction.

Medicine: the *written* examination may be taken at any time after completion of six terms of clinical instruction, including three terms in Medicine. The *practical* examination may be taken on completion of nine terms of clinical instruction.

Surgery: the *written* examination may be taken at any time after completion of six terms of clinical instruction, including three terms in Surgery. The *practical* examination may be taken on completion of nine terms of clinical instruction.

Obstetrics: both written and practical examinations may be taken on the completion of nine terms of clinical instruction.

2. *Departmental or Course Examinations*, i.e., examinations held during, or at the conclusion of individual courses in any subject and for the purpose of determining the students' progress and fitness to proceed in a given subject.

The following special regulations have been adopted in respect to course examination in the clinical subjects:

1. *Pathology*—A course examination on the termination of the course in General Pathology (9th term).
2. *Medicine*—At the end of each term the group teachers shall report on the progress made by each student in their groups; in addition to this, there shall be a written examination at the end of the 3rd and an oral examination at the end of the 4th year. Written examinations in Pædiatrics, Therapeutics, and Psychiatry will be held during the 4th year.
3. *Surgery*—At the end of each term the group teachers shall report on the progress made by each student in their groups; in addition to this, there shall be a written examination at the end of the fourth year.
4. *Obstetrics*—An oral examination at the end of the course of didactic lectures in the 3rd year; and an oral and practical examination at the end of each term in the 4th year.

To qualify for the Final Examinations leading to the degree, a student must have passed the course examinations in the required subjects of the clinical group, and must have satisfactorily completed the prescribed courses of study and practice in:

I. Ophthalmology.
II. Oto-Laryngology.
III. Psychiatry.
IV. Infectious Diseases.
V. Anæsthesia.
VI. Pathological Anatomical Technique and methods of Post Mortem Examination and Diagnosis.
VII. Public Health Survey.

The Final Examinations in Medicine, Surgery and Obstetrics must all be passed at one time, but a student who fails in one of these subjects only may, at the discretion of the Faculty, be allowed a re-examination in that subject at the next regular examination period, provided that he shall have satisfactorily completed such additional work as may be prescribed by the Head of the Department concerned.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

At the end of the Spring Term, the Promotion Committee will consider the cases of all students who at the conclusion of their third term are reported by their instructors as having fallen below the grade of C and shall determine whether such students are to be allowed to continue, warned, required to repeat the course or courses, or to retire from the Faculty.

NOTE:—The "Required Courses," together with suitable "Elective Courses" in the second year, will qualify a candidate for the First (Primary) Examination for Fellowship in the Royal College of Surgeons of England and for the Primary Examination for Fellowship in the Royal College of Physicians and Surgeons of Canada.

C. GRADING

At the conclusion of each course, students will be graded in five groups, as follows:—

A = Excellent
B = Good
C = Fair
D = Doubtful
E = Failure

In reporting the grading, the names of those students who attain "A" standing shall be arranged in order of merit; in all other grades the arrangement shall be alphabetical.

The grade assigned to a student shall be based upon the result of the Final Examination, but the instructor will also take into account the record of the work done throughout the course.

The quality of the English used by a candidate will be taken into account in determining his standing in all examinations.

MEDALS, PRIZES, FELLOWSHIPS AND SCHOLARSHIPS

MEDALS

The Holmes Gold Medal, founded by the Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., one time Dean of the Faculty of Medicine, is awarded to the student graduating with the highest aggregate number of marks in the different branches comprised in the medical curriculum.

The student who wins the Holmes Medal has the option of exchanging it for a bronze medal and the money equivalent of the gold medal.

The Wood Gold Medal, founded by Casey A. Wood, M.D., LL.D., awarded to the student graduating with the highest aggregate number of marks in the clinical examinations of the Final Year. The winner of the Holmes Medal is not permitted to compete for this medal.

The Sutherland Gold Medal, founded in 1878 by the late Mrs. Sutherland, in memory of her late husband, William Sutherland, M.D., formerly Professor of Chemistry in this Faculty, is awarded for the best examination in Biochemistry, together with a creditable examination in the primary branches.

The Lieutenant-Governor's Silver Medal, to be awarded to the student of the final year, who in the opinion of the head of the Department of Public Health and Preventive Medicine, is most proficient in that subject.

The Lieutenant-Governor's Bronze Medal, to be awarded to the student who obtains the highest standing in the Final Examination in Physiology.

PRIZES

The Joseph Hils Prize. (Founded by the late Dr. Joseph Hils, of Woonsocket, R.I.)—A prize in books, awarded to the student who obtains the highest number of marks in the subject of Pharmacology.

The Joseph Morley Drake Prize. (Founded by the late Joseph Morley Drake, M.D.).—A prize in books, to be awarded to the student who obtains the highest number of marks at the Final Examination in Pathology.

Primary Prize. A prize in books awarded for the best aggregate standing in the subjects of the first division (Anatomy, Histology, Physiology, Biochemistry).

The F. Slater Jackson Prize. An annual prize of $50.00, founded by Mr. and Mrs. H. F. Jackson in memory of their son, the late F. Slater Jackson, M.D. The prize is awarded on the result of a special examination, written and oral, in Histology and Embryology.

The Alexander D. Stewart Prize. An annual prize in books, founded by the late W. Grant Stewart (Arts 1885, Med. 1888) in memory of his brother, the late Alexander D. Stewart (Med. 1888), to be awarded to the member of the graduating class who, in the opinion of the Faculty, presents in every respect the highest qualifications to practise his profession.

Jeanie Forsyth Prize. Under the will of the late Miss Jeanie Forsyth the interest on $1,000 is awarded each year "to a worthy and needy student" who, upon graduation, has shown particular ability in all branches of surgery.

The Canadian Medical Institute prize of $25.00, awarded to the Fifth Year student submitting the best essay on "*Advantages to be derived from an annual periodic health examination.*" The decision to be made by the University. Essays must be submitted not later than May 25.

FELLOWSHIPS

The A. A. Browne Memorial Fellowship.—The sum of $10,000 was received by the Faculty from the committee of the A. A. Browne Memorial Fund. With this sum a fellowship has been established, to be known as the "A. A. Browne Memorial Fellowship." This fellowship is open to graduates of any recognized Medical School and is for the advancement of medical science, special preference being given to the subjects of obstetrics and gynæcology.

The James Douglas Research Fellowship.—The sum of $25,000 was donated by the late Dr. James Douglas, the proceeds to be devoted to co-ordinated research in the laboratories of pathology in or associated with the University.

The James Cooper Fellowships for the Study of Internal Medicine.—This fund of $60,000 was donated in 1912 by the will of the late James Cooper of Montreal to promote study and research in Internal Medicine.

The John McCrae Fellowship.—A fellowship of approximately $800, founded in 1918 as a yearly donation by Mr. H. J. Fuller, of New York, in memory of the late Lt.-Col. John McCrae, for the purpose of scientific research in Experimental Surgery. Established as a permanent fellowship in 1920 by Mr. Fuller and the Canadian Fairbanks-Morse Company.

The Clara Law Fellowship, founded in 1927 by Mrs. J. R. Fraser for the furtherance of research in the laboratory of the Department of Obstetrics and Gynæcology, is of the value of $1,200 per annum.

The Walter J. Hoare Memorial Scholarship.—A sum of $5,500 has been donated by the late Dr. Charles W. Hoare, a graduate of McGill University, for Scholarships in Medicine, in memory of his son, Walter J. Hoare, who was killed in the Great War. These Scholarships are open annually to pupils of the Collegiate Institutes of the counties of Essex, Kent and Lambton entering the Faculty of Medicine.

The Dr. J. Francis Williams Fellowship in Medicine and Clinical Medicine of $500, founded by the late J. Francis Williams, M.D., to be awarded on the result of a special examination open to students of the final year, who have had a high general scholastic standing and who are approved by the heads of the Department of Medicine.

The Dr. J. H. B. Allan Scholarship of $250, founded by bequest of Mrs. Agnes W. Allan, mother of Dr. J. H. B. Allan, to be awarded to the graduate of this Faculty who shall present the best thesis written during his period of residency in one of the teaching hospitals connected with McGill University.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all of the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for five full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University.

3. No one shall be permitted to become a candidate for the degree who shall not have attended at least one full session at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

5. He must have attended during at least three sessions or nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.

6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.

7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the rights to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensure is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B.—In order that disappointment and loss of time may be avoided, the University *requires Canadian students to register with the licensing body of their home province before beginning their medical course.*

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. J. Gauvreau, 354 St. Catherine Street E., Montreal.

ONTARIO—Dr. H. Wilberforce Aikens, 566 University Avenue, Toronto, Ont.

NEW BRUNSWICK—Dr. S. H. McDonald, 56 Colborne Street, Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. H. D. Johnson, 51 Grafton St., Charlottetown, P.E.I.

MANITOBA—Dr. W. G. Campbell, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. George R. Johnston, Calgary, Alta.

SASKATCHEWAN—Dr. A. MacG. Young, Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. P. Proctor, Vancouver, B.C.

The Registrar for Newfoundland is Dr. T. Mitchell, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

COURSES OF INSTRUCTION

ANATOMY

THE ROBERT REFORD PROFESSOR:—S. E. WHITNALL

LECTURERS:—J. S. BAXTER, H. E. MACDERMOT

SENIOR DEMONSTRATOR:—D. S. FORSTER

DEMONSTRATORS:—F. D. ACKMAN, E. H. CAYFORD, J. R. DEAN, H. M. ELDER, A. J. B. HEBERT, G. D. LITTLE, J. R. LOCHEAD, S. J. MARTIN, R. M. H. POWER, H. G. PRETTY, W. W. RUDDICK, H. G. ROSS, J. C. SUTTON

The Required Courses in Anatomy are given in the first three terms of the Medical Course. In subsequent terms of the Second Year, opportunity is afforded through the Elective Courses for a complete revision in Anatomy together with choices of advanced work.

Required Courses

1. **Lecture Course in Gross Anatomy.**
   Three hours weekly through the Autumn, Winter and Spring Terms ..... Professor Whitnall.
   Text-books:—Gray's "Anatomy" (English Edition); Whitnall's "Study of Anatomy."
   Reference books:—Quain, Cunningham, Piersol, Keith's "Human Embryology and Morphology." Keith's "Menders of the Maimed"; Hilton's "Rest and Pain." Spalteholz Atlas.

2. **Laboratory Course in Gross Anatomy.**
   Eighteen hours weekly during the Autumn, Winter and Spring Terms.
   Professor Whitnall and Staff.
   Practical Manual:—Stibbe.

3. **Tutorials:** Devoted mainly to the study of osteology and surface anatomy.
   One hour weekly throughout the session.
   Drs. Power, MacDermot and Forster.

4. **Discussions:** Informal class discussions upon problems and difficulties.
   One hour a week throughout the session ..... Dr. Baxter.

Elective Courses

5. **A Revision of the Whole Body by Dissection.**
Time required, three afternoons a week.

6. **Special Regions.** Two afternoons a week.
Professor Whitnall and Staff.

Additional Courses

7. **Ophthalmological Anatomy:** Mainly a laboratory course designed for graduates in Medicine who intend to specialize in Ophthalmology.
By arrangement. Details on application.....Professor Whitnall.

8. **Oto-laryngological Anatomy:** A similar course.
By arrangement. Details on application.....Professor Whitnall.

HISTOLOGY AND EMBRYOLOGY

PROFESSOR:—J. C. SIMPSON

ASSISTANT PROFESSOR—H. E. RAWLINSON

LECTURERS IN HISTOLOGY:—D. J. BOWIE, W. M. FISK

DEMONSTRATOR IN HISTOLOGY:—J. R. DEAN

ASSISTANT DEMONSTRATORS IN EMBRYOLOGY:—N. W. PHILPOTT

1. Histology and Embryology.

Two lectures and six hours of laboratory work per week throughout the session.

Lectures —Mon. and Wed. at 2.
Laboratory—Div. A.—Tues. 2–5. Thurs. 9–12.
Div. B.—Tues. 9–12. Thurs. 2–5.
Professors Simpson, Rawlinson, and Staff.

Text-books:—Maximow and Bloom, "Histology"; Arey, "Embryology".
Reference books:—Histology, Lewis and Bremer, Jordan, Bailey, Shaefer; Embryology, Jordan, Simkins, Bailey and Miller.

2. Dental Histology.

A detailed study of the development and structure of the teeth and associated parts.
Six hours a week during the third trimester.....Dr. Bowie.

PHYSIOLOGY

THE JOSEPH MORLEY DRAKE PROFESSOR:—JOHN TAIT
RESEARCH PROFESSOR:—BORIS P. BABKIN
ASSISTANT PROFESSOR:—N. GIBLIN
LECTURER:—S. DWORKIN

Required Courses

1. **Introductory Course**—Lectures and Demonstrations.
In this course, which is comprehensive rather than detailed, the general principles of the subject are dealt with.
Three hours a week during the first half session, and two hours a week during the second half session.
Text-books:—Bainbridge & Menzies, Best & Taylor, Halliburton, Howell.

2. **Intermediate Course**—Lectures, Demonstrations and Laboratory. Three lectures, one demonstration and six hours laboratory work a week. Autumn Term.
The more detailed description of the nervous system and sense organs forms a part of this course. The accompanying laboratory course consists of experiments on surviving parts of the frog and on the human subject.
Laboratory manual:—Sharpey-Schäfer, "Experimental Physiology."

3. **Senior Course**—Lectures, Demonstrations and Mammalian Laboratory.
During these lectures the survey of the subject for undergraduate medical purposes is completed. The laboratory work accompanying the course involves a more advanced operative and instrumental technique.
Three lectures, one demonstration and six hours of laboratory work. Winter Term.
Laboratory manual:—Sherrington, "Mammalian Physiology."
Text-books:—Howell, Macleod, Starling.

Elective Courses

4. **Lectures on Selected Advanced Topics.**
Professors Babkin and Giblin.
During each year a variety of subjects is handled. As these vary from year to year, the titles will be announced at the commencement of the Autumn Term. The lectures are held twice a week throughout the Graduate Faculty teaching session. For elective purposes special parts of the course may be separately attended.

5. **Applied Physiology.**
This course is designed for second year medical students who are interested in the clinical applications of the physiological knowledge they have obtained from the regular undergraduate courses. One lecture-demonstration per week during the Autumn Term, three hours per week advanced laboratory during the Winter Term.
Dr. Dworkin.

Courses only for Graduate Students.

6. **Lectures on Structure and Function**.....Professor Tait.
7. **Advanced Laboratory.**
8. **Physiological Colloquium.**

PSYCHOLOGY

PROFESSOR OF ABNORMAL PSYCHOLOGY:—J. W. BRIDGES
ASSISTANT PROFESSOR OF ABNORMAL PSYCHOLOGY—
K. M. BANHAM BRIDGES

Elective Courses

1. **Normal and Abnormal Psychology.** Psychophysiological standpoint, the relation of abnormal to normal mental life and behaviour, the mechanism of behaviour and the physical basis of consciousness, theories of the unconscious, the motivation of behaviour, association and dissociation; imitation, suggestion, instinct, habit, emotion, memory, intelligence, character, temperament, and their abnormalities.
Text-book:—Bridges, J. W., Psychology, Normal and Abnormal.
Two lectures a week. Autumn Term.....Professor J. W. Bridges.

The following are one term courses open to students in the Third, Fourth and Fifth Years and to graduates.

2. **Mental Measurements.** Intelligence tests, ratings of character and temperament, and other mental examination methods.
The course will include practice in giving tests:
This course is intended for students specializing in psychiatry.
By arrangement.....Prof. J. W. Bridges.

3. **Child Psychology.** Aspects of mental development, with special reference to the pre-school child. The course will include practical observations in the Montreal Foundling Hospital.
This course is intended for students specializing in pædiatrics.
By arrangement.....Prof. K. M. B. Bridges.

4. **Psychology in Industry.** The selection of employees, the worker's efficiency, and his adjustment to his task.
This course is intended for students specializing in Industrial Medicine.
By arrangement ..... Prof. J. W. Bridges.

BIOCHEMISTRY AND PATHOLOGICAL CHEMISTRY

PROFESSOR:—J. B. COLLIP

ASSOCIATE PROFESSOR:—D. L. THOMSON

ASSISTANT PROFESSOR:—HANS SELYE

LECTURERS:—EVELYN M. ANDERSON, R. L. KUTZ, L. I. PUGSLEY

LECTURERS IN PATHOLOGICAL CHEMISTRY:—J. S. L. BROWNE, E. H. MASON, I. M. RABINOWITCH

DEMONSTRATORS:—P. T. BLACK, O. F. DENSTEDT, T. MCKEOWN

The Department offers, in addition to the required lecture and laboratory course, an elective course in Endocrinology; other courses are described in the Announcements of the Faculties of Arts and Science, and of Graduate Studies and Research.

1. General Physiological Chemistry:

(a) Lectures: Monday, Wednesday, Friday at 9.

(b) Laboratory: Six hours weekly, Monday morning and Thursday afternoon, or Tuesday afternoon and Friday morning.

Text-books:—Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-Book of Biochemistry" (Macmillan); Cameron and Gilmour, "Biochemistry of Medicine" (Churchill); Wright, "Applied Physiology" (Oxford Univ. Press). A synopsis of the laboratory course is issued by the Department.

This course is given in the Autumn and Winter terms.

2. Endocrinology:

Lectures: Monday, Friday at 2.

Text-book: — Cameron, "Recent Advances in Endocrinology" (Blakiston).

PATHOLOGY

STRATHCONA PROFESSOR:—HORST OERTEL

ASSOCIATE PROFESSOR:—L. J. RHEA

ASSISTANT PROFESSOR:—T. R. WAUGH

LECTURER AND DOUGLAS FELLOW IN PATHOLOGY:—W. H. CHASE

LECTURER:—J. E. PRITCHARD

LECTURER IN NEUROPATHOLOGY:—W. V. CONE

ASSISTANT DEMONSTRATORS:—
R. C. BENNETTS
A. K. HILL
G. B. MAUGHAN
J. NICHOLLS
M. I. STALKER
R. A. WILSON

CURATOR OF MUSEUM:—W. H. CHASE

PREPARATOR:—J. GIROUX

NOTE: Students for the degree of Doctor of Medicine are advised to commence the study of Pathology at the beginning of their clinical instruction, i.e., in the Third Year, and pursue it in the following order:

First: General Pathology, with its laboratory course in general pathological anatomy and histology (Courses A1 and A2).

Second: Special Pathology (Course B1), including the special didactic courses on the diseases of the blood forming organs, the more important ductless glands, and of the nervous system (Courses B2, B3, B4), with the laboratory course in special pathological anatomy and histology (Course B5), and also to attend the demonstrative courses and practical exercises in pathological anatomical methods (Course B6).

It is desirable that students should continue to attend the demonstrative courses and practical exercises in pathological anatomy and choose from the electives throughout the rest of their study. Students may find it advantageous to refresh their minds during their later clinical years in certain parts of General and Special Pathology in which they are interested by returning to the didactic lectures in General and Special Pathology in addition to taking up some of the electives.

A study room has been set aside in the Pathological Institute more particularly for the students of Special Pathology and those under advanced clinical instruction, in which gross and microscopic material illustrative of topics discussed in the didactic lectures are weekly put on exhibition for personal study, at the student's leisure. Museum material may also be requisitioned. This room is open from 9 a.m. to 6 p.m. during the session, and demonstrators will be available for consultation.

Required Courses

I. Didactic Lectures.

A1. General Pathology and Pathological Anatomy.
Two lectures (with epidiascope demonstrations) a week.
Autumn Term—Tuesday and Thursday, 4 p.m.
Winter and Spring Terms—Monday and Friday, 4 p.m.
Pathological Institute.....Professor Oertel.

B1. Special Pathological Anatomy and Pathogenesis of the Circulatory, Respiratory, Digestive and Renal Systems.
One lecture with epidiascope demonstrations a week.
Autumn Term—Friday, 4 p.m.
Winter and Spring Terms—Wednesday, 4 p.m.
Pathological Institute.....Professor Oertel.

B2. Diseases of the Blood Forming Organs.
One lecture a week. Autumn Term—Monday, 4 p.m.
Pathological Institute.....Professor Waugh.

B3. Pathological Anatomy of the More Important Ductless Glands.
One lecture a week. Winter Term—Tuesday, 4 p.m.
Pathological Institute.....Dr. Chase.

B4. Pathological Anatomy of the Nervous System.
One lecture a week. Spring Term—Tuesday, 4 p.m.
Pathological Institute.....Dr. Cone.

II. Practical Courses.

A2. Laboratory Course in General Pathological Anatomy and Histology (including the methods of microscopic technique and diagnosis with practical exercises in the living animal, in fresh and in hardened tissues). Six hours weekly.
Winter and Spring Terms—Tuesday and Thursday, 2 p.m.
Pathological Institute, Professor Oertel, Dr. Chase and Demonstrators.

B5. Laboratory Course in Special Pathological Anatomy and Histology. Four hours weekly.
Winter and Spring Terms—Monday and Friday, 4 p.m.
Pathological Institute.
Professor Waugh, Dr. Chase and Demonstrators.

B6. Demonstrative Course and Practical Exercises in Pathological Anatomical Methods and Diagnosis (including autopsy technique and references to medico-legal practice).

Autumn, Winter and Spring Terms—Saturday morning, 11–12.30.
Pathological Institute.....Professor Oertel.

C1. Performance of Autopsies—Group Instruction.

Autumn, Winter and Spring Terms. Time according to material.
Pathological Institute.....Dr. Chase and Demonstrators.
Montreal General Hospital.....Professor Rhea and Demonstrators.

Elective Courses

B7. Special Pathological Anatomy of Bones.
Spring Term—Thursday, 4 p.m.
Pathological Institute.....Professor Waugh.

B8. Special Hæmatological Technique.
Lectures and demonstrations on the more important hæmatological methods of examining the blood.
Winter Term—Thursday, 4 p.m.
Pathological Institute.....Professor Waugh.

C2. Methods of Post-Mortem Examination (including the methods of anatomical description and protocoling). For advanced students and physicians preparing for medico-legal practice. Time to be arranged.
Pathological Institute.....Dr. Chase

C3. Demonstration and Discussion of Specimens Removed at Operation, (including microscopic diagnosis and interpretation). For advanced students.

Autumn, Winter and Spring Terms—Wednesday, 3 p.m.
Pathological Institute.....Professor Waugh.

BACTERIOLOGY AND IMMUNITY

PROFESSOR:—E. G. D. MURRAY
LECTURERS:—F. SMITH, JOHN H. GLYNN
DEMONSTRATOR:—D. H. STARKEY

Required Courses

All lectures and laboratory courses are given in the Department of Bacteriology (Institute of Pathology).

Course 1. Elementary Medical Bacteriology and Immunity.

Thirty lectures and 60 hours practical work and a weekly Tutorial Class. Third Term. Available to medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology and Biochemistry; also to students in their third year in Arts and Science reading for the B.Sc. Honours in Bacteriology.

Course 2. Applied Medical Bacteriology and Immunity and the processes of Infectious Diseases.

20 Lectures and 60 hours practical work. First and Second Terms. Available to Medical Students who have completed two years of clinical work.

Course 3. Bacteriology and Immunity for Honours B.Sc. (daily throughout the year; available only for Honours students in their Fourth year).

A. General Bacteriology—Thirty-five lectures and 175 hours practical work.

B. Systematic Bacteriology—Sixty-five lectures and 325 hours practical work.

C. Immunology—Fifty lectures and 250 hours practical work.

(Full details of the courses can be obtained by application to the Registrar.)

Text-books:—Hans Zinsser, Textbook of Bacteriology (Appleton); R. Muir and J. Ritchie, Manual of Bacteriology (Oxford University Press); R. T. Hewlett and James McIntosh, Manual of Bacteriology (Churchill); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); J. W. Bigger, Handbook of Bacteriology (Bailliere Tindall & Cox); W. H. Park and A. W. Williams, Pathogenic Micro-Organisms (Bailliere Tindall & Cox); Hans Zinsser, Resistance to Infectious Diseases (Macmillan); W. W. C. Topley and G. S. Wilson, The Principles of Bacteriology and Immunity (Edward Arnold & Co.); W. W. C. Topley, An Outline of Immunity (Arnold); M. Langeron, Precis de Microscopie (Masson & Cie); A. Calmette, L. Negri and A. Boquet, Manuel Technique de Microbiologie et Serologie (Masson & Cie). D. H. Bergey, Manual of Determinative Bacteriology (Williams & Wilkins).

CURRICULUM FOR B.Sc. HONOURS IN BACTERIOLOGY

Prerequisite:—An aggregate standing of high second class must be obtained in the subjects submitted for the First Year.

The Head of the Department should be consulted in selecting subjects to be studied in the Second and Third Years. The following subjects are suggested as suitable for the average student.

Second Year—General Zoology; Organic Chemistry; Histology; Elementary Physical Chemistry; Elementary Physiology; Colloid Chemistry.

Third Year—Biochemistry; Physiology; Elementary Medical Bacteriology; General Physiology (Dr. Scarth). In addition Pharmacology and Comparative Anatomy of Vertebrates are optional.

Fourth Year—Bacteriology Course 2.

Students of Medicine who have done sufficiently well in their Medical Bacteriology and in their Medical studies in general will be admitted to Course 2, Section C.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

PROFESSOR AND DIRECTOR:—A. GRANT FLEMING
STRATHCONA PROFESSOR OF HYGIENE:—T. A. STARKEY
ASSISTANT PROFESSOR:—R. ST. J. MACDONALD
ASSISTANT PROFESSOR OF MENTAL HYGIENE:—W. T. B. MITCHELL
ASSISTANT PROFESSOR OF INDUSTRIAL HYGIENE:—FRANK G. PEDLEY
LECTURER IN MENTAL HYGIENE:—C. M. HINCKS
DEMONSTRATOR IN MENTAL HYGIENE:—BARUCH SILVERMAN
DEMONSTRATOR IN INDUSTRIAL HYGIENE:—R. VANCE WARD

The instruction in Public Health and Preventive Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine.

In order that the importance of Public Health and Preventive Medicine may be kept before the student, short courses are given in the First and Second Years. These courses are of an introductory nature and, from a historical background, develop the needs and opportunities for preventive medicine and its social implications.

The Department aims to correlate the teaching of the preventive aspects of medicine with the teaching of other departments in their special field. In addition, those phases of the subject that are not included elsewhere are covered, such as water, milk and food supplies, public health administration, hygiene of the school child, industrial hygiene and mental hygiene.

The course in Mental Hygiene, included in the teaching of the Department of Public Health and Preventive Medicine, attempts to give the student an understanding of what is possible and of what is being done in the way of preventing nervous and mental diseases, delinquency and crime, and social failure. This implies a knowledge of what is normal in the way of behaviour responses at the different stages of the individual development; of how we may recognize and deal with significant deviations from the average response; the factors underlying individual success and failure; the place and the means of introducing mental health principles into home, school, social and industrial situations.

The hygiene of the child of school age includes, for consideration, the chief points of a school health service, its scope, and the duties of the School Medical Officer, a post frequently undertaken by the general practitioner.

Industrial Hygiene deals with the application of the principles of preventive medicine to industry. The various factors which influence the health of work people are discussed, and the means which may be taken to supervise their health and safety are considered.

In the Third Year, visits of inspection are made to plants selected to illustrate the general principles of water purification, and the modern dairy plant, including pasteurization.

A brief course in Applied Public Health Bacteriology is given to familiarize the student with the facilities available, the method of taking specimens, the methods of examination and the interpretation of laboratory reports on water, milk, sputum, nose and throat swabs.

A health study of the student's home town, or some other place acceptable to the Department, is required before the beginning of the Fifth Year. This study requires individual field work by each student.

Required Courses

1. **Introduction to Public Health and Preventive Medicine.**
   Spring term—Monday, 4 p.m.
   Professors Fleming, Macdonald and Mitchell.

2. **Public Health Organization and Administration.** (Including related community services.)
   Spring term—Wednesday, 9 a.m.
   Professors Fleming, Macdonald and Dr. Silverman.

3. **Mental Hygiene.**
   Autumn term—Tuesday, 3 p.m.....Professor Mitchell.

4. **Practice of Preventive Medicine.**
   Spring term—Monday and Friday, 3 p.m.; Wednesday, 2 p.m.
   Professors Fleming, Starkey, Macdonald and Pedley.

5. **Field Visits, Demonstrations and Applied Public Health Bacteriology.**
   Spring term—Wednesday, 3 p.m.

6. **Communicable Disease Control.**
   Autumn term—Thursday, 4 p.m. Professors Fleming and Macdonald.

7. **Health Study of a City or Town.**

To be submitted during the month of October of the final year. The student is later required to review this study with a member of the staff.

Text-books and Reference books:—

The General Field:—Parkes and Kenwood; Rosenau; Park; Fitzgerald.

Industrial Hygiene:—The Health of the Industrial Worker, Collis and Greenwood; Industrial Health, Hayhurst, Emery and Kober; Industrial Poisons in the United States, Hamilton.

Mental Hygiene:—The Mental Hygiene of Childhood, White.

School Hygiene:—The Fundamentals of School Health, Kerr.

PHARMACOLOGY AND THERAPEUTICS

PROFESSOR:—R. L. STEHLE

ASSOCIATE PROFESSOR OF THERAPEUTICS:—D. S. LEWIS

ASSISTANT PROFESSOR OF PHARMACOLOGY:—K. I. MELVILLE

LECTURER IN THERAPEUTICS:—D. GRANT CAMPBELL

LECTURER IN THERAPEUTICS AND DEMONSTRATOR IN PHARMACOLOGY:—W. DE M. SCRIVER

LECTURER IN ANÆSTHESIA:—WESLEY BOURNE

LECTURER IN PHYSIO-THERAPY:—F. W. HARVEY, NORMAN BROWN

DEMONSTRATOR IN PHARMACOLOGY:—J. B. ROSS

ASSISTANT IN PHARMACOLOGY:—H. C. ELLSWORTH

PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

Required Courses

1. **Pharmacology.** The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Spring Term supplemented by one conference and one demonstration a week.

The conference groups are limited to four students each.

Drs. Stehle, Melville and Ellsworth.

2. **Pharmacological Laboratory.** The experiments are chosen to illustrate the lectures of the preceding course.

Two periods (six hours) a week during the Spring Term.

Drs. Stehle, Melville and Ellsworth.

THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine. Courses 3, 3a, 4 and 5 are intended primarily for the fourth year and should be completed before registration for Course 6.

Required Courses

3. **Therapeutics:** Didactic Instruction. A series of approximately 15 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available. These lectures will be given during the Spring Term.

3a. **Therapeutics:** Theatre Lectures. Ten to fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine.

Dr. Lewis and Associates.

4. **Pharmacy and Prescription Writing.** Five lectures and five laboratory periods during the Autumn term.

Dr. Scriver.

5. **Physio-Therapy.** Three lectures and three periods of group instruction at times to be arranged.

Drs. Lewis, Brown and Harvey.

6. **Clinical Therapeutics.** One ward class each week for ten weeks at the Royal Victoria and Montreal General Hospitals in the Autumn, Winter and Spring Terms.

Dr. Lewis and Dr. Campbell.

Elective Courses

7. **Physio-Therapy (Practical):** A course of lectures and demonstrations dealing more fully with the application of physical methods to the treatment of disease.

Drs. Brown and Harvey.

8. **Therapeutics**: A series of ten evening lectures on certain special aspects of medical treatment will be offered if a sufficient number apply. These lectures will be given by those having special interest in the various topics, and will be open to students and graduates.

Text-books in Pharmacology. Cushny, Sollmann, Meyer and Gottlieb, Clark.

Options

Suitably prepared persons may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See announcement of the Faculty of Graduate Studies.

MEDICINE

PROFESSOR AND DIRECTOR OF THE DEPARTMENT:—JONATHAN C. MEAKINS

PROFESSORS:—CAMPBELL PALMER HOWARD, C. F. MARTIN

ASSOCIATE PROFESSOR:—A. H. GORDON

ASSISTANT PROFESSORS:—MAUDE E. ABBOTT, J. KAUFMANN, D. S. LEWIS, E. H. MASON, C. F. MOFFATT, I. M. RABINOWITCH

LECTURERS:—C. C. BIRCHARD, C. R. BOURNE, E. C. BROOKS, G. R. BROW, J. G. BROWNE, J. S. L. BROWNE, J. R. BYERS, D. G. CAMPBELL, R. V. CHRISTIE, R. H. M. HARDISTY, A. T. HENDERSON, J. F. MCINTOSH, D. W. MCKECHNIE, W. DE M. SCRIVER

DEMONSTRATORS:—L. J. ADAMS, W. W. EAKIN, NEIL FEENEY, A. F. FOWLER, C. W. FULLERTON, KEITH GORDON, C. R. JOYCE, W. R. KENNEDY, H. E. MACDERMOT, J. F. MACIVER, J. L. D. MASON, D. L. MENDEL, E. S. MILLS, LORNE MONTGOMERY, E. V. MURPHY, E. E. ROBBINS, J. B. ROSS, H. N. SEGALL, COLIN SUTHERLAND, J. C. WICKHAM

ASSISTANT DEMONSTRATORS:—W. W. ALEXANDER, MARGARET E. B. CAMERON, W. C. GOWDEY

PAEDIATRICS

CLINICAL PROFESSOR:—H. B. CUSHING

LECTURERS:—A. GOLDBLOOM, L. LINDSAY, S. GRAHAM ROSS, R. R. STRUTHERS, H. P. WRIGHT

DEMONSTRATORS:—JESSIE BOYD SCRIVER, R. C. STEWART, W. E. WILLIAMS

ASSISTANT DEMONSTRATORS:—A. K. GEDDES, ALAN ROSS, S. J. USHER

PSYCHIATRY

CLINICAL PROFESSOR:—C. A. PORTEOUS

CLINICAL PROFESSOR:—DAVID SLIGHT

DEMONSTRATORS:—B. SILVERMAN, E. C. MENZIES

DERMATOLOGY

CLINICAL PROFESSORS:—P. BURNETT, J. F. BURGESS

LECTURER:—A. A. BRUÈRE

DEMONSTRATORS:—C. R. BOURNE, L. P. EREAUX

ASSISTANT DEMONSTRATOR:—B. USHER

Foreword on the Courses in Medicine. The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded by the establishment of a modern medical clinic at the Royal Victoria Hospital. In this institution and at the Montreal General Hospital there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The courses in internal medicine and its various branches are so arranged as to give the individual student as much independence as possible in his selection of his instructors and time and place of his required and elective courses. The University lectures and clinical lectures are open to students of all years. The student, therefore, may within wide limits determine the period and scope of his instruction. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

Required Courses

1. A course of University lectures on Pathological Physiology and general medicine will be given in the autumn, winter, and spring terms, on Monday, Wednesday and Friday mornings, from 9 to 10 o'clock. This course of lectures will cover the field of medicine and will be delivered at the University Medical Building, by Professors Meakins, Howard, and Assistants.

1a. Courses of lectures will be given in Psychiatry and Therapeutics on two afternoons a week during the autumn and winter terms.

2. Clinical lectures in general medicine. A course of clinical lectures will be delivered throughout the autumn, winter, and spring terms, on two days a week. The exact hour in the different institutions will be announced from time to time. These clinical lectures will be given in the Royal Victoria Hospital and the Montreal General Hospital, by Professors Meakins, Howard, Gordon, and Assistants.

3. Clinical lectures in pædiatrics. A course of clinical lectures will be delivered in pædiatrics during the autumn, winter, and spring terms, on one day each week, at the Children's Memorial Hospital, by Professor Cushing and Assistants.

4. A course in the technique of physical examination and normal physical signs will be given in the autumn term, two periods a week, from 10.15 to 11.45 a.m., with one clinical lecture per week as a review. This course will be given to groups of students at the Royal Victoria Hospital and the Montreal General Hospital.

5. This course will cover physical examination and abnormal physical signs, the methods of history-taking, and systematic description of the various systems in a logical order. Its objective will be to prepare students for subsequent clinical and bedside work. It will be given in the autumn, winter and spring terms, four periods a week of two hours each, from 10.15 to 12.15, to groups of students, at the Royal Victoria Hospital and the Montreal General Hospital.

6. A course in clinical microscopy will be given in the autumn term only. There will be two laboratory periods a week, from 2 to 4 p.m., on Mondays and Fridays, in the Pathological Institute. This course will be organized so as to give instruction and practice in microscopy as applied to clinical medicine.

Doctor Kaufmann and Assistants.

7. A course in clinical medicine with case reporting and bedside clinics will be given in the autumn, winter and spring terms, to groups of students at the Royal Victoria Hospital and Montreal General Hospital. Each course will occupy five days a week from 9 a.m. to 3.45 p.m.

Professors Meakins, Gordon and Assistants.

8. A clinical course in pædiatrics will be given during the autumn, winter, and spring terms. This course will have the following divisions:

(a) Diseases of the New-Born—Royal Victoria Montreal Maternity Pavilion.

(b) Normal Infant-Feeding and Development—Montreal Foundling Hospital.

(c) General Pædiatrics—Children's Memorial Hospital, Royal Victoria Hospital, and Montreal General Hospital.

(d) A Series of demonstrations to groups of students on the ordinary acute infectious diseases will be given at the Alexandra Hospital.

Professor Cushing and Assistants.

This course in its divisions will be given to groups of students.

9. A clinical course in Mental Medicine will be given in the autumn, winter and spring terms. This course will have the following divisions:

(a) Theatre clinics and bedside clinics on neuroses, psychoses and border line cases during the final year at the Royal Victoria and Montreal General Hospitals.

(b) One period a week during one term will be devoted to clinical demonstrations in Mental Hygiene at the Mental Hygiene Institute..... Professor W. T. B. Mitchell and assistants.

(c) A certificate of one week's attendance at a Mental Hospital and the submission of three case reports. The attendance may be at any hospital approved by the department.

10. A clinical course in dermatology will be given in the autumn, winter and spring terms of one period a week at the Royal Victoria and Montreal General Hospitals..... Drs. Burnett and Burgess.

11. A course in clinical therapeutics will be given in the autumn, winter, and spring terms, of one period a week, one and one-half hour's duration, at the Royal Victoria Hospital and the Montreal General Hospital, by Professor Lewis and Dr. D. Grant Campbell.

12. In the student's final year he becomes virtually a member of the Externe Staff of the teaching hospitals. He may elect to be allotted to the various services in the hospital in the capacity of clinical clerk, participating in the keeping of records, diagnosis and treatment of patients in the wards and Out-Patient Department, and the laboratory duties. He will accompany the physicians in their daily rounds, attend autopsies and report on them to his teachers.

Elective Courses

Elective courses for advanced work are offered in the following subjects: Neurology, psychiatry, dermatology, clinical pathology, cardiology, hæmatology, diseases of the lungs, gastro-intestinal diseases, et cetera. The details of these elective courses will be announced at the beginning of each session.

It will be necessary for each student, in addition to taking the required courses, to choose a certain number of elective courses, the number chosen depending upon which elective courses are taken.

Text and Reference Books

General Medicine:—McLeod, "Physiology and Biochemistry in Modern Medicine"; Lewis, "Clinical Electrocardiography" and "Clinical Disorders of the Heart"; Meakins and Davies, "Respiratory Function in Disease"; Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Cabot, "Physical Diagnosis"; Thompson, "Elements of Surface Anatomy"; Lusk, "Science of Nutrition"; McLester, "Nutrition and Diet in Health and Disease", Krehl, "Basis of Clinical Symptoms"; Osler's "Practice of Medicine"; Cecil's "Text-book of Medicine"; Nelson's "Loose-Leaf System of Medicine"; Oxford, "Loose-Leaf System of Medicine"; Appleton's "Practitioners Library of Medicine and Surgery"; Dieulafoy, "The Text-book of Medicine"; Strumpell, "Text-book of Medicine for Students and

Practitioners"; Mackenzie, "Diseases of the Heart"; Purves Stewart, "Diagnosis of Nervous Diseases"; Bassler, "Diseases of the Stomach and Intestines"; Pharneo, "Teaching Hospitals."

Pædiatrics:—Holt and Howland; Dennet; Feer, Still; Porter and Carter; Morse and Talbot; Alan Brown, H. P. Wright, "Essentials of Infant Feeding."

Psychiatry:—White, "Outlines of Psychiatry;" Kraeplin, "Clinical Psychiatry"; Wimmes Hoisholt, "Psychiatric Neurological Examination Methods"; Jeliffe and White (1923 Ed.), "Diseases of the Nervous System."

Dermatology:—Stellwagon; Walker's Introduction to Dermatology; Hartzell; McLeod; Darier; Campbell; Shamberg; Sutton.

HISTORY OF MEDICINE

PROFESSOR:—SIR ANDREW MACPHAIL

A course of fifteen lectures will be given upon the History of Medicine to inform undergraduates in the Faculty upon the progress of the science. It is the intention to examine the causes which produced the varying conceptions of medicine in times past, rather than burden the student with a narration of facts and a recital of biographies.

NEUROLOGY AND NEUROSURGERY

PROFESSOR OF NEUROLOGY AND NEUROSURGERY:—
WILDER PENFIELD

CLINICAL PROFESSORS OF NEUROLOGY:—COLIN RUSSEL, F. H. MACKAY

ASSISTANT PROFESSOR OF NEUROLOGY AND NEUROSURGERY:—
WILLIAM CONE

LECTURERS IN NEUROLOGY:—J. N. PETERSEN, A. W. YOUNG, N. VINER

LECTURER IN NEUROSURGERY:—A. R. ELVIDGE

DEMONSTRATOR IN PÆDIATRIC NEUROLOGY—H. M. KEITH

ASSISTANT DEMONSTRATOR IN NEUROSURGERY:—E. L. GAGE

ASSISTANT DEMONSTRATOR IN NEUROLOGY AND NEUROSURGERY:—
J. P. EVANS

ASSISTANT DEMONSTRATOR IN NEUROPATHOLOGY:—W. L. SPRONG

ASSISTANT DEMONSTRATOR IN NEUROPHYSIOLOGY:—G. STAVRAKY

RESEARCH FELLOWS IN NEUROLOGY AND NEUROSURGERY: A. TORKILDSEN, J. KERSHMAN, T. ERICKSON

RESEARCH CLINICAL FELLOWS IN NEUROSURGERY:—O. HYNDMAN, J. MASSON, G. CHOROBSKI

RESEARCH FELLOW IN CHEMISTRY:—R. U. HARWOOD

The Department of Neurology and Neurosurgery co-operates intir mately with the Departments of Medicine and Surgery in their regula- teaching.

In addition the following elective courses are offered:

1. Case Presentations. Diseases of the Nervous System

Outpatient Department, Royal Victoria Hospital, Tuesdays at 3.00 p.m. *Dr. Penfield.*

2. The Anatomical Basis of Clinical Neurology. Lectures and microscopic demonstrations. Neurological Institute. *Dr. Petersen.*

SURGERY

PROFESSOR AND DIRECTOR OF THE DEPARTMENT:—
E. W. ARCHIBALD

PROFESSORS:—A. T. BAZIN, E. M. EBERTS

ASSISTANT PROFESSORS:—W. L. BARLOW, C. B. KEENAN, C. K. P. HENRY, F. A. C. SCRIMGER

LECTURERS:—F. B. GURD, F. E. MCKENTY, F. J. TEES

LECTURER IN ANÆSTHESIA:—W. B. HOWELL

LECTURER IN RADIOLOGY:—W. L. RITCHIE

DEMONSTRATORS:—JOHN ARMOUR, E. B. CHANDLER, G. A. FLEET, GUY JOHNSON, R. R. FITZGERALD, MARK KAUFMANN, L. H. MCKIM, G. GAVIN MILLER, DUDLEY ROSS, A. STEWART, A. L. WILKIE

DEMONSTRATORS IN ANÆSTHESIA:—J. W. ARMSTRONG, C. C. STEWART

ASSISTANT DEMONSTRATORS:—HOWARD DAWSON, H. M. ELDER, C. A. MACINTOSH, H. GURTH PRETTY, ALBERT ROSS, P. G. SILVER

UROLOGY

CLINICAL PROFESSORS:—D. W. MACKENZIE, F. S. PATCH

LECTURER:—R. E. POWELL

DEMONSTRATOR:—M. SENG

ORTHOPAEDIC SURGERY

CLINICAL PROFESSORS:—W. G. TURNER, J. A. NUTTER

LECTURER:—W. J. PATTERSON

DEMONSTRATOR:—N. T. WILLIAMSON

Foreword on the Courses in Surgery. Instruction in Surgery (and in the surgical specialties) is imparted in the form of didactic lectures, theatre clinics, ward and out-patient teaching.

The *didactic* lectures are not designed to cover the whole field of general and special surgery, but rather to present the principles of the more important surgical diseases and injuries. Surgery as a whole must be studied in the recommended text books. The early lectures of this course, being introductory, are offered particularly to students who are beginning their clinical work (7th term). They deal with the fundamental principles of inflammation, wound healing, new growths and congenital abnormalities.

The *theatre clinics* in both hospitals will demonstrate, in so far as is possible, the whole field of general surgery and the surgical specialties. In the earlier terms instruction will be given in the commoner ailments of general surgery, while during the later periods the special subjects of orthopædics, genito-urinary-surgery, neuro-surgery and thoracic surgery will be given a due proportion of the time.

In the *wards and out-patient departments*, instruction can be given to smaller groups. In these classes one may more readily differentiate elementary instruction from that given to more advanced students. In other words, to the junior group are taught the principles of careful history taking, of physical examination and of accurate observation. Later comes instruction in minor surgery, the dressing of wounds, bandaging and the application of splints; while to the advanced students is demonstrated major surgery from selected cases in the wards and operating theatre. Such advanced students are given patients in rotation and become ward dressers. The specific duty is laid upon them of recording the case histories, making all necessary examinations and laboratory tests, and of assisting at operations. Group teaching at the bed-side, and ward rounds are added to their training, and they are given all the privileges of an externe of the surgical service.

Required Courses

1. Didactic Lectures.

Three times weekly for the first two terms; 9–10 a.m., in the Medical School ..... Professor Archibald and Staff.

2. Theatre Clinics.

Twice weekly throughout the session, 1 p.m., at both general hospitals. These clinics are open to all students from the seventh term onwards.

Professors Archibald and Bazin and Staff

3. Ward and Out-Patient Instruction.

Four times weekly, 10.30 a.m. to 12 noon, in groups to be arranged in both general hospitals.
Independent ward work can be done by those to whom cases are allotted at any time during the day excepting the meal and visiting hours.

4. Surgical Specialties.

The surgical specialties are taught in the later periods, to some extent in didactic lectures and theatre clinics, but chiefly in the wards and out-patient departments.

5. Anæsthesia.

Didactic lectures and laboratory demonstrations of anæsthesia are given by the Department of Pharmacology and Therapeutics to the students of the earlier clinical years, while practical instruction in the administration of anæsthetics is given in the hospital to the more advanced students. Every student is obliged to furnish a certificate of having given at least six anæsthetics under supervision.

Text-books:—

1. *General Surgery:* Choyce, C. C., "A System of Surgery"; Thomson and Miles, "Manual of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; John Homans, "A Text-book of Surgery."

2. *Emergency Surgery:* Sluss, John W., "Manual of Emergency Surgery."

3. *Surgical Anatomy:* Treves' "Surgical Applied Anatomy," McGregor, "Synopsis of Surgical Anatomy."

4. *Fractures:* Scudder. Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations."

5. *Case Reporting:* White, J. Renfrew, "The Clinical Examination of Surgical Cases."

6. *Urology:* Keyes' Urology, Mackenzie.
Collateral Reading: Lewis' System of Surgery, vols. 8–9; Eisendrath and Rolnick, Urology; Young, Urology; Stokes, Modern Clinical Syphilogy.

7. *Orthopædic Surgery:* Whitman's "Orthopædic Surgery"; Fraser, "Tuberculosis of Bones and Joints of Children"; Tubby and Jones, "Surgery of Paralysis"; Jones, "Orthopædic Surgery of Injuries"; Jones and Lovett, "Orthopædic Surgery."

OBSTETRICS AND GYNAECOLOGY

PROFESSOR AND CHAIRMAN:—J. R. FRASER

PROFESSOR:—H. M. LITTLE

CLINICAL PROFESSORS:—H. C. BURGESS, J. W. DUNCAN, J. R. GOODALL

LECTURER:—W. A. G. BAULD

DEMONSTRATORS:—A. D. CAMPBELL, DOUGLAS GURD, G. C. MELHADO, IVAN PATRICK, ELEANOR PERCIVAL

CLARA LAW FELLOW AND DEMONSTRATOR:—P. J. KEARNS

ASSISTANT DEMONSTRATORS:—STEWART HENRY, N. W. PHILPOTT, C. V. WARD

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynæcology and the Care of the New-born. Throughout all trimesters the value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of delivery till discharge from hospital is an ideal arrangement. Each student serves in the ante-natal clinics in the city.

OBSTETRICS

Required Courses

1. An introductory course of thirty lectures on the fundamental principles of the subject dealing with the Anatomy, Embryology, Physiology and Pathology of the Pelvic Organs.
   The Medical School. Three times a week—Spring Term.
   Professor Fraser.

2. **Clinical instruction** during the year in the Royal Victoria Montreal Maternity Pavilion, including the conduct of labor and the puerperium in case room and wards, together with ante-natal care in the out-patient department.
   Autumn, Winter and Spring Terms.

3. **Special courses in obstetrical palpation** and on the mannikin daily throughout the session with the aid of models, diagrams and lantern slides. Autumn, Winter and Spring Terms.

4. **Clinical conference** once weekly in the theatre throughout the year for the entire class, where living cases are presented illustrating the more important obstetrical conditions.

Autumn, Winter and Spring Terms.

5. **Group Instruction.** The teaching in the final year is conducted entirely by senior teachers.
Small groups of students are instructed in the Wards, Case Rooms and Out-patient Department in methods of examination, problems of delivery and the principles of treatment.

6. **Lecture Demonstrations** in the theatre are held daily during each term on the following subjects:—

A. Puerperal Infection.....Professor Little.
B. Hæmorrhages of Pregnancy. Labor and the Puerperium.
Professor Duncan.
C. Toxæmia of Pregnancy.....Professor Goodall.
D. Dystocia.....Professor Burgess.

7. **Care of the New-born.**

The clinical demonstration once weekly throughout the year by the Pædiatrician in charge of the New-born, is intended to provide a clear and concise survey of the physiology and pathology of the New-born. Particular emphasis is laid on infant feeding and neonatal disease.

8. **The Staff Conference** held once a week is arranged to give a complete account of the work of the hospital.

NOTE: Rooms are provided in the new pavilion where the students may reside, in groups of six, for a period of two weeks. During his period of interneship the student will under supervision deliver patients both in hospital and at their homes, and will undertake the medical care of mother and child during the puerperium.

GYNAECOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals....Professors Fraser, Little and Staff.

2. A special course on Gynæcological Pathology....Dr. P. J. Kearns.

3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.

4. A special course of instruction, once a week, throughout the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray.....Dr Bauld and Staff.

Text and Reference Books

Obstetrics

(1). De Lee	Principles and Practice of Obstetrics.
(2). Williams	Text book on Obstetrics.
(3). Ten Teachers	Midwifery.
(4). Harper	Clinical Obstetrics.
(5). Bourne	Synopsis of Midwifery and Gynæcology.
(6). Johnson, R. W.	Text book of Midwifery.
(7). Bland	Practice of Obstetrics.
(8). Miller, J.	Manual of Obstetrics.
(9). Appleton	Obstetrical and Gynæcological Monographs.
(10). Peterson	Demonstration Course in Obstetrics.

Gynæcology

(1). Graves	Text book of Gynæcology.
(2). Curtis	Text book of Gynæcology and System of Gynæcology and Obstetrics.
(3). Ten Teachers	
(4). Monroe Kerr	Gynæcology.
(5). Blair Bell	Principles of Gynæcology.
(6). Kelly, Howard	Text book of Gynæcology.
(7). Goodall	Puerperal Infection.
(8). Cursen	

OPHTHALMOLOGY

PROFESSOR:—W. GORDON M. BYERS

CLINICAL PROFESSORS:—S. H. McKEE, F. T. TOOKE

DEMONSTRATORS:—A. G. McAULEY, J. A. MacMILLAN

ASSISTANT DEMONSTRATORS:—A. BRAMLEY-MOORE, S. O. McMURTRY, STUART RAMSEY, J. ROSENBAUM

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses:—

1. Routine examination of the eye.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call

for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.

Professors Byers, Tooke, McKee and members of the Staff.

2. Lecture demonstrations.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential concepts for the clinical work of the Fifth Year.

Ten hours.....Professor Byers.

3. Clinical Ophthalmology.

In the Final Year, the entire available time is devoted to an intensive study of the ocular problems that are of greatest moment in general practice—the external diseases of the eye, and the main ophthalmoscopic findings in systemic disorders and affections of the nervous system; with practical lessons in ophthalmic nursing and first aid. This work is conducted in the ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals.

Professors Byers, McKee, Tooke and Staff.

Text-books:—Parsons, May, Swanzy, De Schweinitz, Fuchs.

OTO-LARYNGOLOGY

LECTURERS:—D. H. BALLON, G. E. HODGE, J. T. ROGERS

DEMONSTRATORS:—K. O. HUTCHISON, W. J. MCNALLY, B. F. MACNAUGHTON, J. E. TREMBLE, R. P. WRIGHT

Instruction in Oto-Laryngology is given to students of the third, fourth and fifth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Third Year:

An introductory course of five demonstrations is given to students of the third year. These demonstrations deal with the normal anatomy of the ear, nose, throat, and with methods of examination. An opportunity is also afforded of studying rœntgenograms of normal and pathological nasal accessory sinuses and mastoids.

Fourth Year:

Five practical demonstrations are given on the common pathological conditions of the ear, nose, and throat.

Lecture Course:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the œsophagus.

Professor————

Fifth Year:

Ten clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text-books:—Chevalier Jackson and Coates; St. Clair Thomson; Logan-Turner; Kerrison.

GRADUATE INSTRUCTION

1. Any graduate who so desires may attend any of the regular undergraduate courses. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.

2. **Special graduate work** is offered in every department, both in the laboratories and in the clinics, at any period during the year, provided the graduate is willing to assign himself for serious work to one service. Application for this privilege should be made to the Dean or to the Head of the Department in which the graduate desires to occupy himself.

Vide under heading of "Departments of Physiology, Pathology, Anatomy, Hygiene, etc."

3. **Course for Diploma of Public Health:** This course is specially designed as a thorough training for medical men undertaking the duties of a Medical Officer of Health.

The duration of the course is at least eight months (October 1st to May 31st).

The curriculum is as follows:—

(a) A course of lectures dealing in a comprehensive manner with the general principles of public health and preventive medicine.

(b) Bacteriology—a full practical course in general bacteriology, with special application to public health.

(c) (1) *Sanitary Chemistry*. Examination of air, water and water supplies in general, the commoner foods and beverages, sewage and sewage effluents, etc.; chemical investigations connected with trades and occupations; (2) *Physics*. General principles only in their application to hygiene.

(d) Practical public health work. An extended course under a M.O.H., affording facilities for instruction in public health relating to housing, factories, work-shops and industrial establishments, schools, waterworks, sewage plants, refuse distribution, abattoirs, dairies and milk stations, welfare centres, etc.

(e) Public health legislation and administration. Statutes and by-laws relating to public health and the powers of health authorities; administration of the office of a Medical Officer of Health.

(f) Vital statistics. Calculation and tabulations of returns of births, marriages and deaths and diseases.

(g) Meteorology and climatology; geographical and topographical distribution of disease.

Candidates for this diploma may claim exemption in any of the above subjects on presentation of adequate certificates.

Qualification for the diploma includes a knowledge of communicable diseases, of child hygiene and mental hygiene, the use of meteorological, hygienic and sanitary apparatus.

The successful candidate must further know the appearance of healthy and diseased tissues of animals, and their microscopic examination.

Finally, he must show a capacity to formulate a report on public health conditions in an actual locality and make annual and other reports as required by Officers of Health.

These examinations are written, oral and practical.

The fee for the course is $110.00 for British Subjects and $140.00 for non-British Subjects.

4. Special Courses. Graduates desiring instruction in any special branch of Public Health and Preventive Medicine, such as School Health Services and Industrial Hygiene, should apply to the Head of the Department. Courses will be arranged, suitable for the applicants, in order that they may receive full benefit from the time devoted to the course.

BUILDINGS

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over $600,000, contains the Offices of Administration, the Medical Library (with its 48,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Histology, Hygiene, Pharmacy, and the magnificent Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department.

The Department of Histology and Embryology, too, has excellent facilities, with laboratory space for 120 students, and smaller laboratories for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over $500,000, this edifice was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This Building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology, Bacteriology and Medical Jurisprudence, and includes a Pathological Museum and museum workshops. It combines under one roof, quarters for teaching and research in these departments, both for the

University and for the Royal Victoria Hospital. From the latter is drawn chiefly its material. It was constructed at a cost of $460,000; is of Montreal limestone; its main front is 242 feet long; the north end is 77 feet wide and the south end 60 feet. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.
Montreal General Hospital.
Children's Memorial Hospital.
Foundling Hospital.
Alexandra Hospital for Infectious Diseases.
Verdun Protestant Hospital.
Royal Edward Institute for Tuberculosis.
The Royal Victoria Montreal Maternity Hospital.

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 2,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University building, is a general hospital for acute diseases and contains 680 beds. During 1932 it cared for 13,501 cases, while in its outdoor department 96,791 cases were treated. Many new additions have been made to the Hospital. A modern University Medical Clinic was established in 1924.

There were 275 post-mortems during 1932.

The number of resident physicians is 38.

The Royal Victoria-Montreal Maternity Pavilion, with 200 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 100 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate

student. During the year 1932 the obstetrical service cared for 2,499 cases, with 2,168 confinements in the Hospital and 455 in the Out-patient Service, a total of 2,623. In the gynæcological section, 1,463 cases were admitted during the year.

There are nine resident physicians.

The Montreal General Hospital is a general hospital for the treatment of acute diseases and contains 397 beds. In 1932 there were 7,400 admissions to its wards. The large, reconstructed out-patient department, probably the finest in this country, received last year 164,372 visits. Many modern additions to the original buildings have been made. There is also a large biochemical laboratory, completely equipped for the investigation of the metabolic aspects of disease.

There were 275 post-mortems during the year.

The number of resident physicians is 48.

The Dental Clinic of the University, completed in 1921, has 50 dental chairs with a large and varied clientele.

The Western Division of the Montreal General Hospital—The Western General Hospital. A hospital for the treatment of acute diseases, with 85 beds. It is hoped that this hospital will soon afford additional opportunities for teaching. The post-mortem and surgical material is now being used for teaching. During the year 1932 there were 1,788 admissions to the wards and 69,529 patients were treated in the out-patient department.

There were 41 autopsies during the year.

The number of resident physicians is 7.

The Children's Memorial Hospital has 335 public beds, and, in 1932, admitted 3,249 patients. The attendance at its out-door department totalled 27,323 patients. This hospital, while primarily for orthopædic cases, now admits all varieties of patients, and enables the students to get a broad conception of pædiatrics. Of special interest are the newly-built wards with cubicles, the Departments of Remedial Gymnastics, the Open-air Pavilion, and the well-equipped out-patient service.

There were 105 autopsies during the year.

The number of resident physicians is 11.

A summer course, lasting four weeks, has for several years enabled students and practitioners to become acquainted with many of the most important phases of modern pædiatrics.

The Montreal Foundling and Baby Hospital has been taken over by the Children's Memorial Hospital, and the two institutions will be used as before for the teaching of students. The Foundling Hospital affords a large amount of clinical material and gives special facilities for instruction in child welfare and infant feeding. There are 75 beds.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 155 beds, and, in 1932, 1,392 patients were admitted to the hospital. There were 25 autopsies.

The number of resident physicians is 4.

The Verdun Protestant Hospital has 1,100 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of psychiatry with the teachers. Occupational therapy is emphasized.

The Royal Edward Institute in its new building on Pine Avenue has space for 25 beds, with operating room, X-Ray equipment and modern facilities for the examination of patients, is essentially a dispensary for tuberculosis and offers adequate material for teaching students, in groups, the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

HONORARY LIBRARIAN:—DR. C. F. WYLDE

The Library occupies the central part of the Medical Building, the whole front of the second and third floors, as well as a portion of the first floor. On the third floor is the magnificent reading room, 76 x 24 feet, exceptionally well lighted, and capable of accommodating seventy-five readers. On this floor also are the journal room and private office. The second floor contains the stack room, the book stacks at present containing about 48,000 volumes, as well as eight sections of unbound material in cases, such as hospital reports, university calendars, government publications and theses and having a total capacity of sixty thousand volumes; also three study rooms. On the first floor are the cataloguing rooms, offices and pamphlet room.

A special feature of the Library is the journal collection, and every effort is being made to complete this section as far as possible, and thus to increase the value of the reference department of the Library. Through the generosity of interested friends there is also a valuable collection of approximately one thousand volumes of early works on the History of Medicine, dating from the fifteenth century. These can be consulted at the Library. The Library is also very rich in ophthalmological material, largely through the interest of Dr. Casey A. Wood, who not only has given his private collection, but has continued each year to send many valuable books and periodicals.

A complete journal collection is listed in the Catalogue of Scientific Periodicals in Canadian Libraries, and also in the Union List of Serials published by the W. H. Wilson Company.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other colleges showing proper credentials, and registered nurses. It is felt that graduates living at a distance are not aware of the fact that books may be borrowed from the Library on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during term from 9 a.m. to 9.30 p.m., except Saturdays, when it is closed at 5 p.m. After June 1st it is open from 9 a.m. to 5. p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

LIBRARIAN:—W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises about 7,600 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue has been completed, indexed, and printed since his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 136 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

1. THE McGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

(1) To transact all matters of business connected with the undergraduate body.

(2) To stimulate interest along medical lines.

(3) To assist students to express themselves in public with facility.

(4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers, are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Fourth and Fifth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussions. Each year an Honorary President has been elected from this older group.

McGill University has been greatly enriched by the gift of the Osler Library, bequeathed by Sir William. Members of the Society are fortunate in having ready access to this unique source of original material, comprising as it does a rare and valuable collection of some 8,000 volumes and pamphlets devoted to the history of science and medicine from the time of Hippocrates.

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